Wireless HD Player

MEDIAGATE

MG-350 HD

Manual

www.airlinktek.com

Wireless High Definition
Multimedia Player

MediaGate MG-350 HD

www.airlinktek.com

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Introduction

MediaGate MG-350HD fully supports HD (High Definition) files that are really clear through HDTV (LCDTV, Normal TV) and can stream the contents from a PC through wireless (802.11g) or wired LAN, and also has USB host that you can plug an external USB storage.

- Wireless High Definition Multimedia Player
- The latest and powerful media decoding chip -Sigma Design EM8621 Chip
- Full HD file playback up to 1920 x 1080i
- NDAS (Network Direct Attached Storage) supporting file copy/delete with wireless/wired LAN
- IEEE 802.11g(54Mbps) 802.11b(11Mbps) wireless standard / 10/100Mbs wired LAN
- Wireless security - WEP(Wired Equivalent Privacy)
- Wireless Infrastructure and Ad-Hoc Mode
- External USB 2.0 storage via USB device connecting a computer
- Read an external USB storage or an optical drive via USB host connecting various external USB device
- DVD Manager - Playback of DVD File same as Original DVD title
- Video output - DVI, Component, S-Video and Composite
- Audio output – Stereo, Digital Coaxial & Optical 5.1 ch. Sound, DTS down mix to stereo
- Easy Firmware Upgrade

Technical Support

Contact your local distributor in your country or
AL Tech, Inc. in Korea www.airlinktek.com Tel 82-2-3011-9219 Fax 82-2-566-6186 E-mail sales@airlinktek.com

Precautions

Please read the followings carefully and refer to [Cautions] in the manual for proper use.

Copyright	* We are not responsible for using illegal software, audio sources, video sources, etc and the users should take the legal responsibility.
Check the supported codec	* MediaGate may not play all media files. Please check the codec type. Also it may not play or run improperly depending on file character or circumstance.
Cautions for USB Device	* Connect the power adapter as well when you connect MediaGate to a PC. MediaGate may not be connected if the USB cable is more than 3 meters (9.8 feet). Recommended length is 3 meters (9.8 feet) If the USB cable is too long, the transfer speed and the connection may not be good. We recommend you to use the supplied USB cable by our company. If you connect this device to USB 1.1 Host Adapter, the speed is USB 1.1 (Max. 12Mbps), so we recommend you to connect to USB2.0 for full speed of max. 480Mbps.
Cautions for USB Host	* The USB Host may not be matched with all USB storages. Please check the compatibility before you purchase or use the USB storage.
Cautions when you insert a HDD	* Only 3.5" IDE type HDD can be used. Set the jumper of the HDD as "Master" mode and then insert it. If the HDD supports "Single Mode" then set the HDD as "Single Mode". We recommend you to use more than 6GB HDD. In case of less than 6GB HDD, it may cause data loss. In case of a new HDD, please do "Format" on a PC first and then insert it (For the detail, please refer to "1.2 Format Built-in HDD via USB".
Cautions when you use Network connection	* When you connect MediaGate to a PC using Windows for sharing function, it uses the supplied Windows Network Sharing Function. The sharing function may not be working properly depends on Windows Program Error or the user computer's environment which we are not responsible. Data transfer through network connection may have data cut-off. Data transfer through wireless network connection may have much more data cut-off depends on the environment.
Cautions for the possibility of Radio Waves Cross	* MediaGate may have the possibility of radio waves cross, so not recommend to use the service related to human safety.
Cautions for Multi I/O port	* Make sure to use the supplied products only. Don't connect a cellular phone charger or etc. We are not responsible for misusing

	of this port and the defect due to other misusing.
Data Backup	* We strongly recommend you to back up the data to another safe media. We are not responsible for data damage or loss in built-in HDD.
Cautions for use in a car	* Make sure to use the supplied car charger (optional) in a car. Don't use MediaGate during driving. MediaGate may not work properly when the engine is stopped and it may cause battery discharge. Using in a car may have video & audio noise.
Cautions for drop, shock	* Do not drop the device. It may cause critical damage to the hard drive
Insert strange materials	* Don't insert steel materials (coin, etc) or other materials that may cause MediaGate defect.
Cautions for Disassemble & Remodel	* Don't try to disassemble or remodel MediaGate. It may cause malfunction
Cautions for stack up	* Don't stack another heavy material on MediaGate.
Cautions for exposure to water, moisture, etc	* Don't expose MediaGate to oil, water, dust, moisture or rain and wind. If MediaGate is wet then power it off right away.
Cautions for heat	* Keep MediaGate away from heated areas. Set it up in well-ventilated places.
Cautions for magnetic materials	* Keep all magnetic materials away from MediaGate. Magnetic materials such as speakers or magnets may erase or cause damage to the data stored in the hard disk.

Specifications

Product Name	MediaGate MG-350 HD
Power	5V 1.5A /12V 1.5A
Weight	564g (without HDD & wireless antenna)
Dimension	57 x 150 x 185 mm (without wireless antenna)
Available OS	USB Device Compatible: Windows 98SE/ME/2000/XP, Mac OS 9.0 higher, Linux 2.4 higher NDAS Compatible: Windows 2000, XP
USB Device	Device Port x 1ea, 480Mbps USB 2.0 (USB 1.1 compatible)
USB Host	Host Port x 1ea, 480Mbps USB 2.0 (USB 1.1 compatible) Supporting to read USB devices like External USB HDD, ODD, Flash Drive, Card Reader
Wired LAN	10/100 Mbps LAN (RJ-45) x 1ea, 100BaseTx:UTP/STP Category 5 LAN cable compatible
Wireless LAN	54Mbps IEEE802.11g, 5dBi detachable antenna x 1ea, SMA type connector
HDD Type	3.5"IDE HDD
HDD File System	NTFS / FAT32
TV Type	NTSC / PAL
Video Format	AVI : MS-MPEG4v3/XviD/WMV9 (Not support XviD which has GMC option applied) WMV : WMV9 ASF : WMV9 MP4 : MPEG4 Video DAT : MPEG1 VOB : MPEG2 MPG/MPEG : MPEG1/MPEG2 TP/TS/TRP : HD-MPEG2/SD-MPEG2
Audio Format	MP3, OGG, WAV, WMA
Photo Format	JPG/JPEG, PNG, BMP
Video Output	COMPOSITE S-VIDEO HD COMPONENT Y, Pb, Pr (480p, 720p, 1080i) HD DVI (480p, 720p, 1080i, 1080p)
Audio Output	STEREO L-R S/PDIF Digital Output (Coaxial/Optical)
Multi I/O	24 pin standard connector (no use, this is only for additional specified device)
Working Temperature	0˚C ~ 60˚C
Working Humidity	10% ~ 50%

Package Content

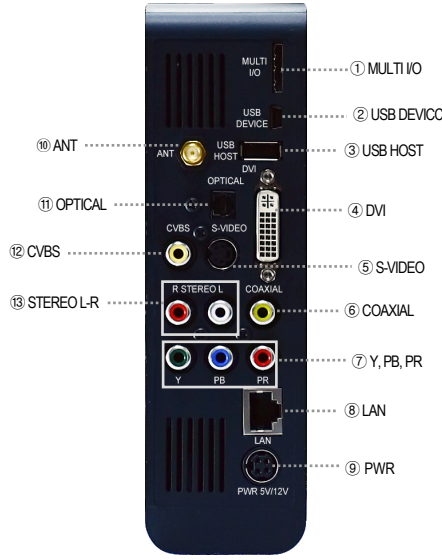
① MG-350 HD - 1ea
② Wireless Antenna -1ea
③ Stand(Cradle) – 1ea
④ Remote controller, battery – each 1ea
⑤ AV cable (composite + stereo cable) – 1ea
⑥ USB cable (for connecting to PC) -1ea
⑦ Power adapter – 1ea
⑧ Setup CD (NDAS PC software, Windows 98 Driver) -1ea
⑨ User manual – 1ea

Product Overview

< Front View >

Front View	① ENTER	Select or play a file
	② △▽◁ ▷	Navigation Key, Up, Down, Left, Right
	③ POWER	Power On, Off
	④ PLAY / PAUSE	Play all files from selected file / Pause
	⑤ STOP / INIT	Stop / Return to Mode Selection Screen
	⑥ IR	IR receiving area for remote signals
	⑦ PWR	Power LED
	⑧ NET	Network LED
	⑨ HDD	HDD LED

< Back View >



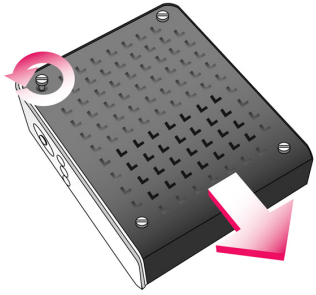
Back View	① MULTI I/O	24 pin standard connector (no use, this is only for additional specified device)
	② USB DEVICE	Connect to a computer with USB cable
	③ USB HOST	Connect to an external USB device with USB cable
	④ DVI	Connect DVI cable for video output
	⑤ S-VIDEO	Connect S-Video cable for video output
	⑥ COAXIAL	Connect Coaxial cable for 5.1 ch. Digital audio output
	⑦ Y, PB, PR	Connect component Y, Pb, Pr cable for video output
	⑧ LAN	Connect LAN cable for wired networking
	⑨ PWR	Connect power adapter
	⑩ ANT	Connect wireless antenna for wireless networking
	⑪ OPTICAL	Connect Optical cable for 5.1 ch. Digital audio output
	⑫ CVBS	Connect Composite cable for video output
	⑬ STEREO L-R	Connect Stereo cable for audio output

Use as External USB HDD

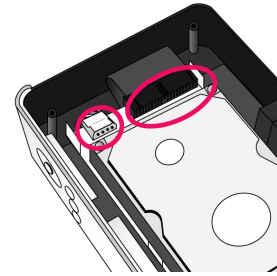
1. Use as External USB HDD

1.1 Insert Hard Disk

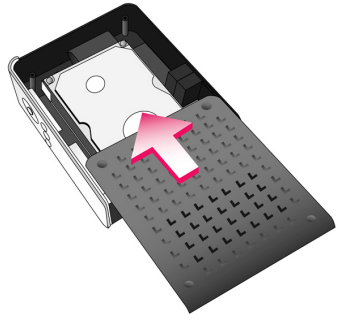
✓ Use 3.5" IDE Hard Disk for Desktop.
✓ Hard Disk should be "Master". However, if the Hard Disk supports "Single" mode, you need to try to set "Single "mode.



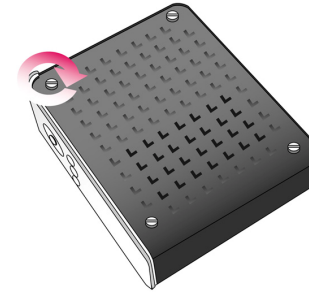
① Unscrew 4 spot and open the side cover case with pulling to the arrow direction



② Connect Power and IDE connector to Hard Disk.



③ Close the side cover case with pulling to the arrow direction.



④ Finish assemble with screwing 4 spot,

1.2 Format Built-in HDD via USB

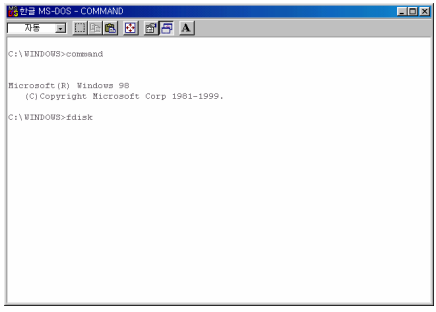
If the built-in HDD is not formatted, PC can not detect the hard disk drive. If so, format the hard disk first referring to the following guide. * If the hard disk drive is already formatted, see “1.3 Copy Data via USB”.

1.2.1 Windows 98SE, ME

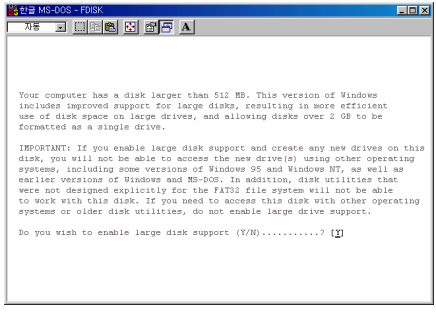
1) Install Windows 98 Driver. Find the driver at Windows 98 CD>MediaGate MG-350HD>English>Windows 98 Driver Directory. After finishing installation, Connect MG-35 to PC via USB cable, and plug power cable of MG-350HD.

2) Select [Start→Program→Accessories→MS-DOS Prompt] on Windows.

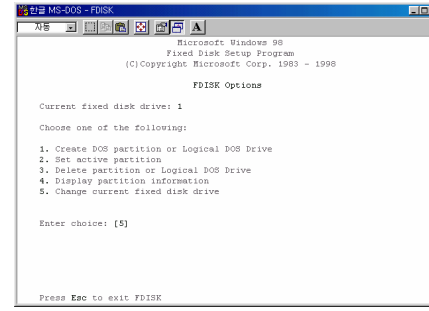
3) Type “fdisk” command at Command Prompt window and press [Enter].



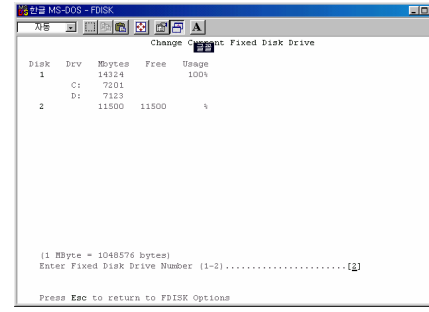
4) Type the “Y” at the “Do you wish to enable large disk support (Y/N)” and press [Enter].


한글 MS-DOS - FDISK
자동
Your computer has a disk larger than 512 MB. This version of Windows includes improved support for large disks, resulting in more efficient use of disk space on large drives, and allowing disks over 2 GB to be formatted as a single drive.
IMPORTANT: If you enable large disk support and create any new drives on this disk, you will not be able to access the new drive(s) using other operating systems, including some versions of Windows 95 and Windows NT, as well as earlier versions of Windows and MS-DOS. In addition, disk utilities that were not designed explicitly for the FAT32 file system will not be able to work with this disk. If you need to access this disk with other operating systems or older disk utilities, do not enable large drive support.
Do you wish to enable large disk support (Y/N).....? [Y]

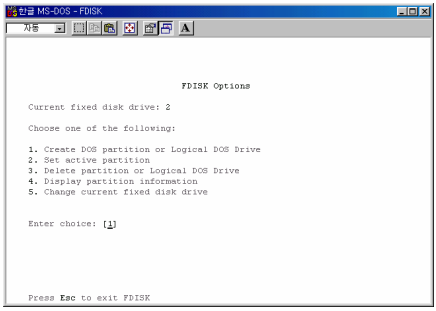
5) Select “5. Chang current fixed disk drive” and press [Enter].


한글 MS-DOS - FDISK
자동
Microsoft Windows 98
Fixed Disk Setup Program
(C)Copyright Microsoft Corp. 1983 - 1998
FDISK Options
Current fixed disk drive: 1
Choose one of the following:
1. Create DOS partition or Logical DOS Drive
2. Set active partition
3. Delete partition or Logical DOS Drive
4. Display partition information
5. Change current fixed disk drive
Enter choice: [5]
Press Esc to exit FDISK

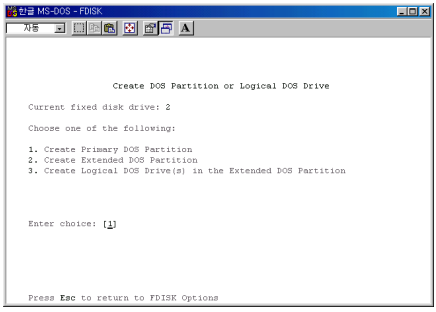
6) Type the last Disk number in 0% usage.


한글 MS-DOS - FDISK
자동
Change Current Fixed Disk Drive
Disk Drv Mbytes Free Usage
1 14324 100%
C: 7201
D: 7123
2 11500 11500 %
(1 MByte = 1048576 bytes)
Enter Fixed Disk Drive Number (1-2).....[2]
Press Esc to return to FDISK Options

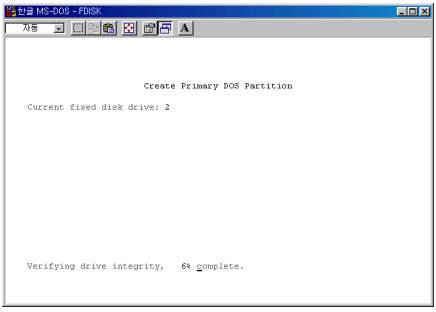
7) Select “1. Create DOS partition or Logical DOS Drive” and press [Enter].


한글 MS-DOS - FDISK
자동
FDISK Options
Current fixed disk drive: 2
Choose one of the following:
1. Create DOS partition or Logical DOS Drive
2. Set active partition
3. Delete partition or Logical DOS Drive
4. Display partition information
5. Change current fixed disk drive
Enter choice: [1]
Press Esc to exit FDISK

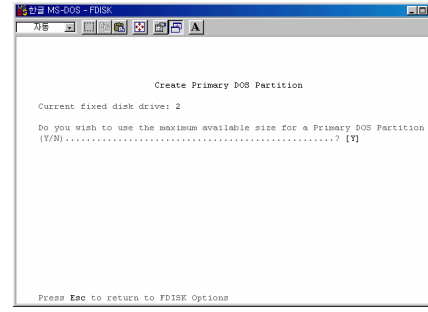
8) Select " 1. Create Primary DOS Partition " and press [Enter].


한글 MS-DOS - FDISK
자동
Create DOS Partition or Logical DOS Drive
Current fixed disk drive: 2
Choose one of the following:
1. Create Primary DOS Partition
2. Create Extended DOS Partition
3. Create Logical DOS Drive(s) in the Extended DOS Partition
Enter choice: [1]
Press Esc to return to FDISK Options

9) Wait until finishing verifying the drive integrity.

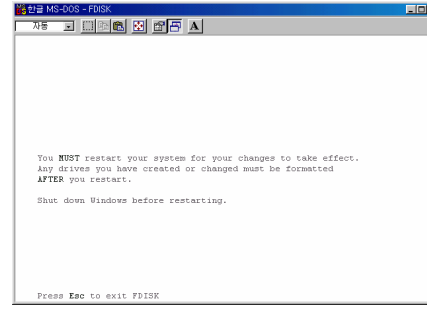


10) After finishing drive integrity verification, type "Y" at "Do you wish to use the maximum available size for a Primary DOS Partition (Y/N)".

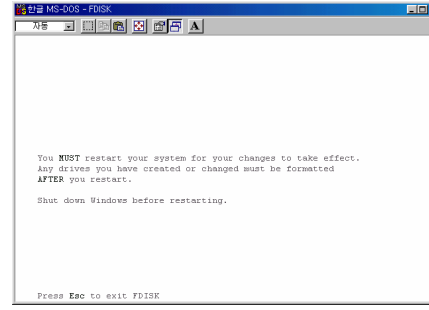

한글 MS-DOS - FDISK
자동
Create Primary DOS Partition
Current fixed disk drive: 2
Do you wish to use the maximum available size for a Primary DOS Partition
(Y/N).....? [Y]
Press Esc to return to FDISK Options

11) Type the capacity or % which you want to use and press [Enter].

12) Drive integrity verification will start again. After finishing that, press [ESC] key when the "Primary DOS Partition created, drive letters changed or added" message displays.

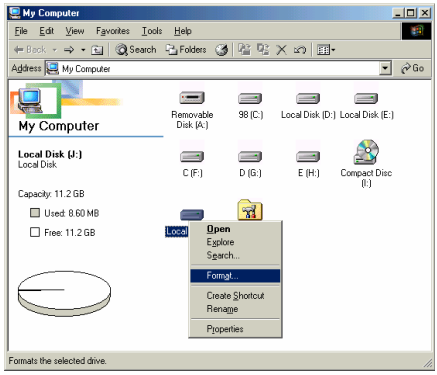

한글 MS-DOS - FDISK
자동
You MUST restart your system for your changes to take effect.
Any drives you have created or changed must be formatted
AFTER you restart.
Shut down Windows before restarting.
Press Esc to exit FDISK

13) Press [ESC] key again. " Shut down Windows before restarting" message will be displayed. Press [ESC] key finally for exiting FDISK.


한글 MS-DOS - FDISK
자동
You MUST restart your system for your changes to take effect.
Any drives you have created or changed must be formatted
AFTER you restart.
Shut down Windows before restarting.
Press Esc to exit FDISK

14) Type “ exit ” command at “ C:\WINDOWS> ” and press [Enter] for returning to windows screen.

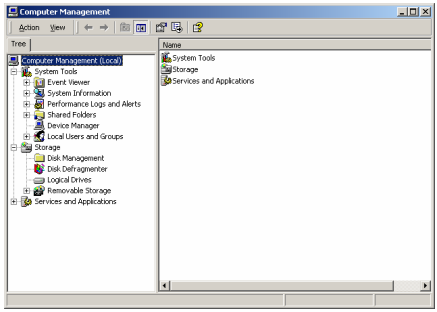
15) Unplug the MG-350HDand plug again. New volume will be appeared at [My Computer]. Click mouse right button at the new volume and select [Format].



1.2.2 Windows 2000

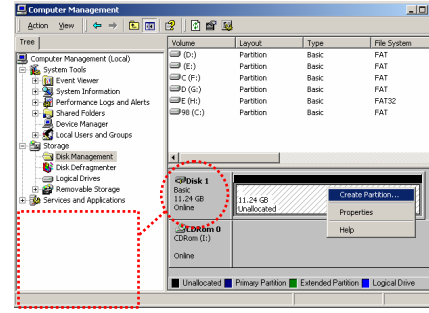
1) Connect MG-350HD to PC via USB cable, and plug power cable of MG-350HD.

2) Select [Start>Settings> Control Panel>Administrative Tools>Computer Management>**Disk Management**] on Windows.

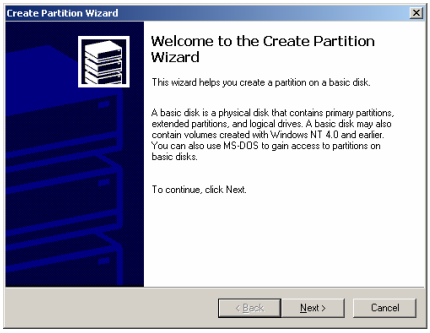


3) If the [Disk Signature and Upgrade Disk Wizard] is started, click Next to progress for finishing the wizard. If this wizard not started, right click the left area of unallocated drive at no. 4 figure, and start the wizard.

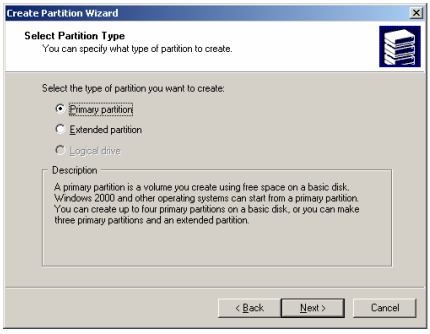
4) After finishing the [Disk Signature and Upgrade Disk Wizard], Right-click the Unallocated Drive. And then, click [**Create Partition**].



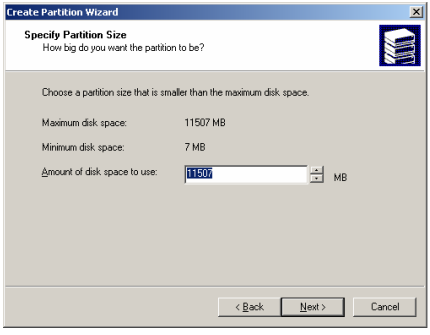
5) Click [Next] at the Create Partition Wizard Windows.


Create Partition Wizard
Welcome to the Create Partition Wizard
This wizard helps you create a partition on a basic disk.
A basic disk is a physical disk that contains primary partitions, extended partitions, and logical drives. A basic disk may also contain volumes created with Windows NT 4.0 and earlier. You can also use MS-DOS to gain access to partitions on basic disks.
To continue, click Next.
< Back
Next >
Cancel

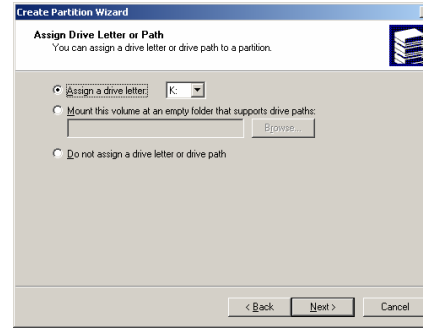
6) Check [Primary Partition] and click [Next].


Create Partition Wizard
Select Partition Type
You can specify what type of partition to create.
Select the type of partition you want to create:
Primary partition
Extended partition
Logical drive
Description
A primary partition is a volume you create using free space on a basic disk. Windows 2000 and other operating systems can start from a primary partition. You can create up to four primary partitions on a basic disk, or you can make three primary partitions and an extended partition.
< Back
Next >
Cancel

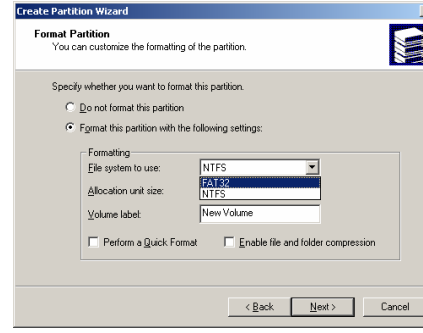
7) Type number that you want to use and click [Next].


Create Partition Wizard
Specify Partition Size
How big do you want the partition to be?
Choose a partition size that is smaller than the maximum disk space.
Maximum disk space: 11507 MB
Minimum disk space: 7 MB
Amount of disk space to use: 11507 MB
< Back
Next >
Cancel

8) Assign a drive letter and click [Next].


Create Partition Wizard
Assign Drive Letter or Path
You can assign a drive letter or drive path to a partition.
Assign a drive letter: K:
Mount this volume at an empty folder that supports drive paths:
Browse...
Do not assign a drive letter or drive path
< Back
Next >
Cancel

9) Choose FAT32 or NTFS at File system to use and click [Next].



✓ FAT 32 system is available on windows 98SE/ME/2000/XP, but NTFS system is available on windows 2000/XP only.

✓ If you choose FAT32 system on Windows 2000/XP, one drive letter's maximum size will be limited to 32GB. If you want to use one drive letter of 32GB more, you have to format on windows 98SE/ME.

✓ If you want to create two or more partition with one disk drive, it will be recommended "Primary Partition"

10) After finishing Wizard setup, formatting will be progressed automatically.

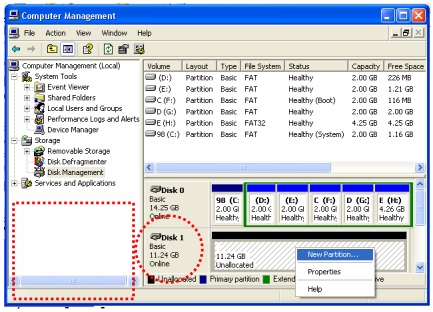
1.2.3 Windows XP

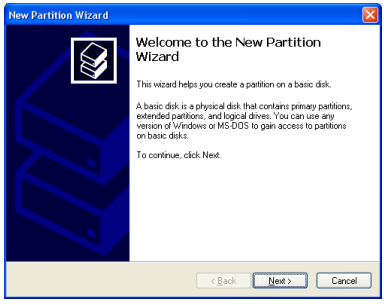
1) Connect MG-350HD to PC via USB cable, and plug power cable of MG-350HD.

2) Click [Settings > Control Panel > Administrative Tools > Computer Management>Disk Management] on Windows. If you can not find Administrative Tools at Control Panel, click " switch to classic view" in left – up corner on screen.

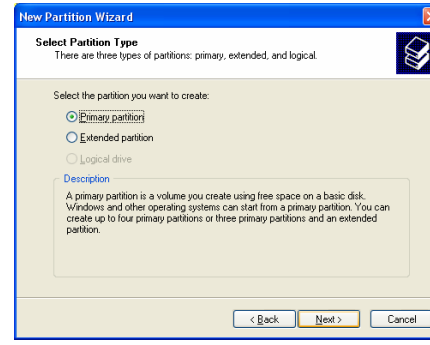
3) If the [Disk Signature and Upgrade Disk Wizard] starts, click [Next] to progress for finishing the wizard. If this wizard not started, right click the marked left area of unallocated drive at no 4. figure and start the wizard.

4) After finishing the [Disk Signature and Upgrade Disk Wizard], Right-click the '**Unallocated**' Drive. And then, click [Create Partition].

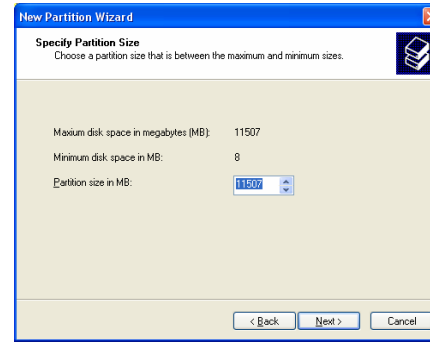



New Partition Wizard
Welcome to the New Partition Wizard
This wizard helps you create a partition on a basic disk.
A basic disk is a physical disk that contains primary partitions, extended partitions, and logical drives. You can use any version of Windows or MS-DOS to gain access to partitions on basic disks.
To continue, click Next.
< Back
Next >
Cancel

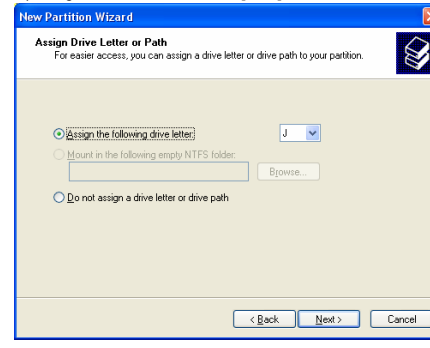
6) Check [Primary Partition] and click [Next].


New Partition Wizard
Select Partition Type
There are three types of partitions: primary, extended, and logical.
Select the partition you want to create:
Primary partition
Extended partition
Logical drive
Description
A primary partition is a volume you create using free space on a basic disk. Windows and other operating systems can start from a primary partition. You can create up to four primary partitions or three primary partitions and an extended partition.
< Back
Next >
Cancel

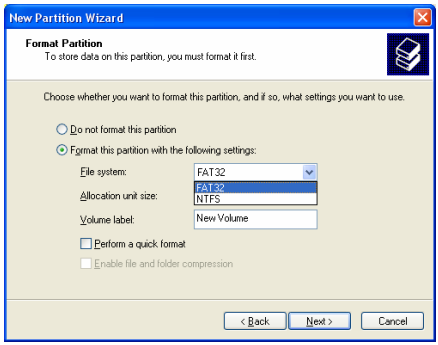
7) Type number that you want to use and click [Next].


New Partition Wizard
Specify Partition Size
Choose a partition size that is between the maximum and minimum sizes.
Maxium disk space in megabytes (MB): 11507
Minimum disk space in MB: 8
Partition size in MB: 11507
< Back
Next >
Cancel

8) Assign a drive letter and click [Next].


New Partition Wizard
Assign Drive Letter or Path
For easier access, you can assign a drive letter or drive path to your partition.
Assign the following drive letter: J
Mount in the following empty NTFS folder:
Browse...
Do not assign a drive letter or drive path
< Back
Next >
Cancel

9) Choose FAT32 or NTFS at File system to use and click [Next].


New Partition Wizard
Format Partition
To store data on this partition, you must format it first.
Choose whether you want to format this partition, and if so, what settings you want to use.
Do not format this partition
Format this partition with the following settings:
File system:
FAT32
Allocation unit size:
FAT32
NTFS
Volume label:
New Volume
Perform a quick format
Enable file and folder compression
< Back
Next >
Cancel

✓ FAT 32 system is available on windows 98SE/ME/2000/XP, but NTFS system is available on windows 2000/XP only.

✓ If you choose FAT32 system on Windows 2000/XP, one drive letter's maximum size will be limited to 32GB. If you want to use one drive letter of 32GB more, you have to format on windows 98SE/ME.

✓ If you want to create two or more partition with one disk drive, it will be recommended "Primary Partition"

10) After finishing Wizard setup, formatting will be progressed automatically.

1.3 Copy Data via USB

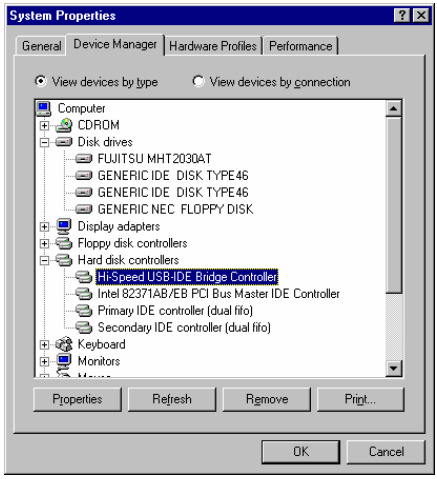
It is possible to use as a external USB hard disk drive in case of inserting hard disk into MG-350HD. You can copy data from your PC to built-in HDD of MG-350HD via USB. It is possible to play media files at the hard disk on TV set.

*** When connecting PC, you have to connect power cable of MG-350HD.**

1.3.1 Windows 98SE

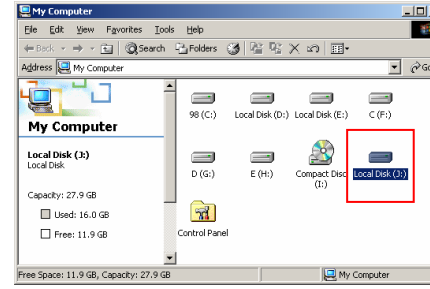
✓First, you have to install Windows 98 Driver before connecting PC. Find the driver at Windows 98 driver CD>MediaGate MG-350HD>English>Windows 98 Driver Directory. After finishing installation, Connect MG-350HD to PC via USB cable, and plug power cable of MG-350HD.

1) After installing the driver, connect mg-35 and plug power cable. And then, check the driver installation at Windows [Start > Settings>Control Panel > System > Device Manager > Hard disk controllers > Hi-Speed USB-IDE Bridge Controller].

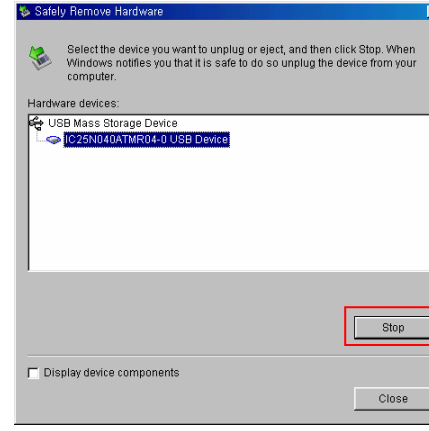


2) Check 'My Computer' or 'Explorer', there should be a new volume. You can copy any data to this volume.

✓If a new volume is not be appeared, check HDD format or not, and HDD file system. Windows 98SE only detect FAT32 file system.

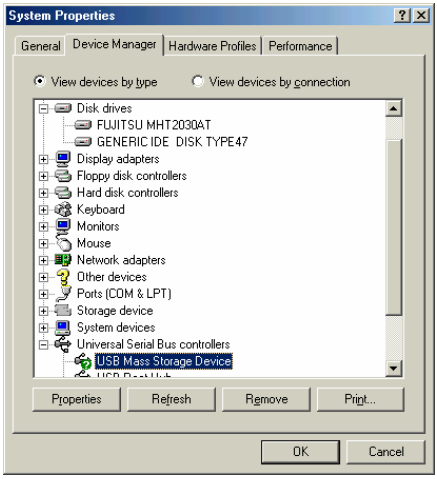


3) After copying data, remove MG-350HD with using remove icon at Windows right-down corner. If you don't follow this procedure, data and MG-350HD may have damage.

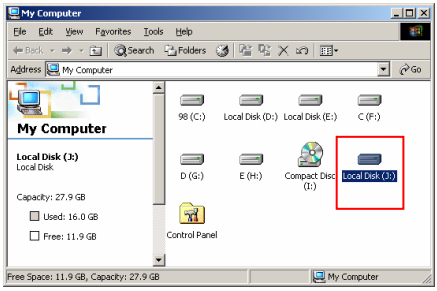

Safely Remove Hardware
Select the device you want to unplug or eject, and then click Stop. When Windows notifies you that it is safe to do so unplug the device from your computer.
Hardware devices:
USB Mass Storage Device
IC25N040ATMR04-0 USB Device
Stop
Display device components
Close

1.3.2 Windows ME

1) After connecting MG-350HD and plug power cable. Windows itself will install driver automatically. And then, check the driver installation at Windows [Start > Settings > Control Panel > (view all Control Panel options) > System > Device Manager > Universal Serial Bus controllers > USB Mass Storage Device]

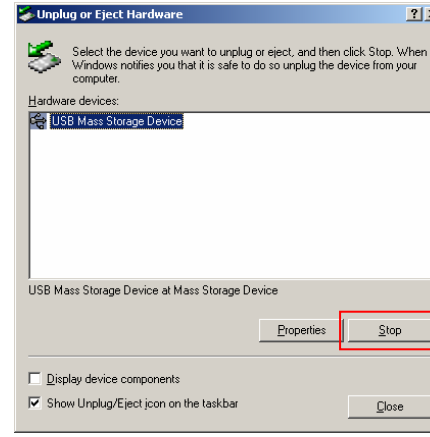


2) Check 'My Computer' or 'Explorer', there should be a new volume. You can copy any data to this volume.



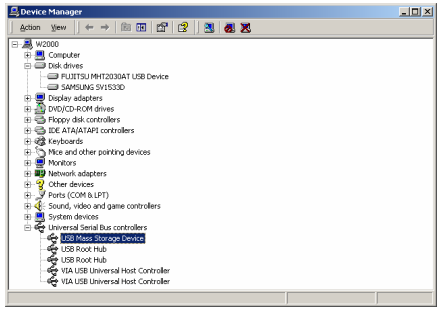
✓If a new volume is not be appeared, check HDD format or not, and HDD file system. Windows ME only detect FAT32 file system.

3) After copying data, remove MG-350HD with using remove icon at Windows right-down corner. If you don't follow this procedure, data and MG-350HD may have damage.

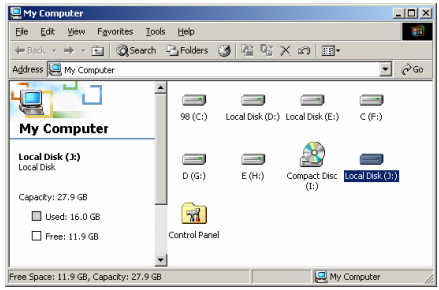

Unplug or Eject Hardware
Select the device you want to unplug or eject, and then click Stop. When Windows notifies you that it is safe to do so unplug the device from your computer.
Hardware devices:
USB Mass Storage Device
USB Mass Storage Device at Mass Storage Device
Properties
Stop
Display device components
Show Unplug/Eject icon on the taskbar
Close

1.3.3 Windows 2000, XP

1) After connecting MG-350HD and plug power cable, Windows itself will install driver automatically. And then, check the driver installation at Windows [Start > Settings > Control panel > (switch to classic View on Windows XP) > system > Hardware > Device manager > Universal Serial Bus controllers > USB Mass Storage Device].

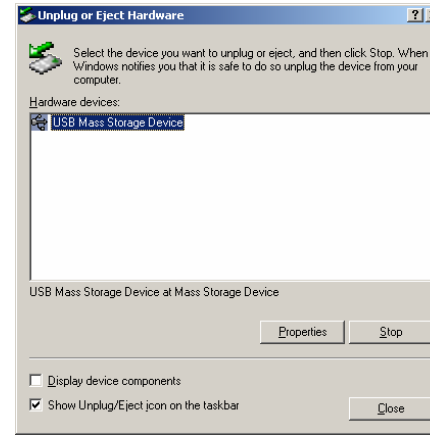


2) Check 'My Computer' or 'Explorer', there should be a new volume. You can copy any data to this volume.



✓If new volume is not be appeared, check HDD format or not. W and HDD file system. Windows 2000, XP detect both FAT32 and NTFS file system.

3) After copying data, remove MG-350HD with using remove icon at Windows right-down corner. If you don't follow this procedure, data and MG-350HD may have damage.


Unplug or Eject Hardware
Select the device you want to unplug or eject, and then click Stop. When Windows notifies you that it is safe to do so unplug the device from your computer.
Hardware devices:
USB Mass Storage Device
USB Mass Storage Device at Mass Storage Device
Properties
Stop
Display device components
Show Unplug/Eject icon on the taskbar
Close

✓When you see 'Non High-Speed USB Hub Message'
The message will be displayed On windows XP when you plug MG-350HD into USB 1.1 spec. Host adapter.

1.3.4 Linux

✓It can be available on Linux 2.4 higher.

[Automatic Mount]

After booting, do log-in.

Connect MG-350HD -> Power On MG-350HD -> Check the detection with [fdisk] -> make Mount Pointer (ex. mediatest) at Folder Mount(/mnt) -> Edit [/etc/fstab] -> add the following;

/dev/sda /mnt/mediatest vfat noauto, user 0 0 (in case of FAT32 HDD)

/dev/sda /mnt/mediatest ntfs noauto, user 0 0 (in case of NTFS HDD)

Do Log-in again.

✓above example "sda" is assumed that the MG-350HD will be detected as "sda" on your system. If not, you have to write the drive name which is detected as "USB Mass Storage", not "sda"

[Manual Mount]

Connect MG-350HD -> Power On MG-350HD -> Check the detection with [fdisk] -> make Mount Pointer (ex. mediatest) at Folder Mount(/mnt) -> Edit [/etc/fstab] -> add the following;

mount –t vfat /dev/sda /mnt/mediatest (in case of FAT32 HDD)

mount –t ntfs /dev/sda /mnt/mediatest (in case of FAT32 HDD)

✓above example "sda" is assumed that the MG-350HD will be detected as "sda" on your system. If not, you have to write the drive name which is detected as "USB Mass Storage", not "sda"

[How to stop using]

Do [unmount] at Device Control.

1.3.5 Mac

✓It can be available on Mac 9.0 higher.

No need to install the installation driver at Mac OS 9.x version and the MG-350HD will be detected automatically. If the MG-350HD is detected correctly, an icon is appeared at a monitor.

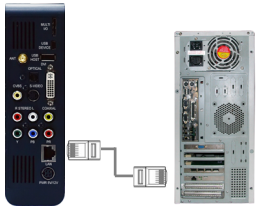
When removing MG-350HD safely, drag the icon to a trash and unplug MG-350HD.

Connect to PC via Network

2. Connect to PC via Network

2.1 Wired LAN Connection

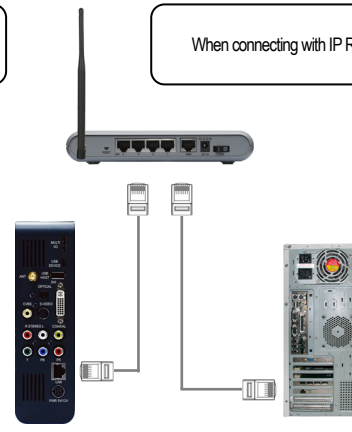
When connecting Computer to MG-35 directly



Connect LAN cable to LAN port between MG-350HD and PC. In this case, you have to use Cross LAN cable type generally.

[TIP] If the computer's LAN card was connected to Internet line, you can mount additional LAN card to your PC and connect that additional LAN card to MG-350HD.

When connecting with IP Router or Hub

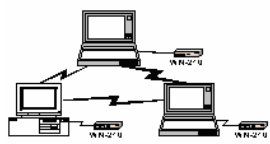


Connect LAN cable to LAN port between IP Router or Hub.
In this case, you have to use Direct LAN Cable type generally.

√ When you want to play shared multimedia files on network, refer to "3.Shared File Playback (Stream)".
√ If you want to use as Network Storage, refer to "4. Use as Network Storage (NDAS)"

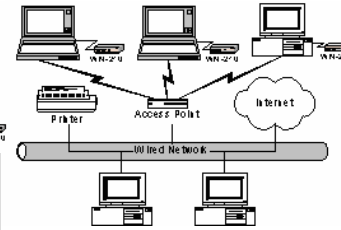
2.2 Wireless LAN Connection

MG-350HD supports two types of wireless structure-Infrastructure mode & Ad-Hoc mode.



Ad-Hoc Mode

1:1 wireless LAN connection type between wireless adapter and Mg-350HD without wireless access point.

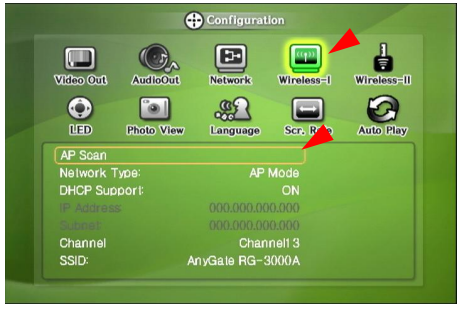


Infrastructure Mode

Wireless LAN connection type with Wireless Access Point.

√ Note

Wireless AP (Infrastructure Mode) or Wireless Adapter (Ad-Hoc Mode) is needed for wireless connection. IEEE 802.11g wireless standard is recommended for better wireless environment. MG-350HD compatibles with IEEE 802.11g & b standard.



① Move to Setup screen with pressing [SETUP] button.

② Move to 'Wireless-I' Icon and press [OK[button. Setup box will be displayed under icon menu..

③ Move to 'AP Scan' and press [OK] button. Surrounded wireless stations are detected and displayed.

Configuration
AP Scan
[cs : AP Mode, Channel11]
[anygate : AP Mode, Channel1]
[altech : AP Mode, Channel1]
[good1 : AP Mode, Channel6]
[MultiMedia : AP Mode, Channel9]
[NESPOT : AP Mode, Channel13]

④ Select preferable one out of the scanned wireless stations.

*Wireless station information is displayed.

-SSID: Name of Wireless Station

-Connection Mode: AP Mode (to connect an AP)

: Ad-hoc Mode (to connect wireless adapter)

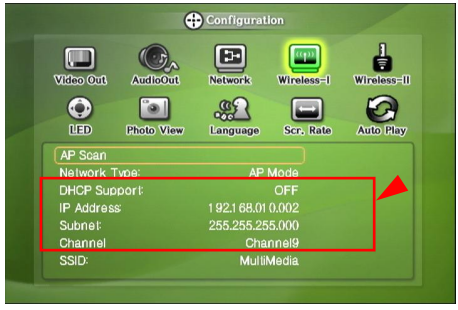
-Channel: Wireless channel used by wireless station

⑤ Information of wireless station will be displayed. Press [SETUP] for saving configurations.

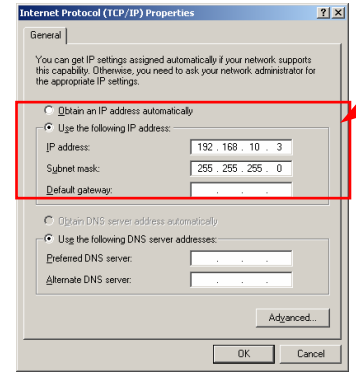
√ Note: When connecting Ad-Hoc Mode, manual setting of IP Address and Subnet mask will be needed.

Manual setting of IP address and Subnet mask of wireless adapter and MG-350HD will be needed. Disable DHCP and enter "IP Address" and "Subnet mask". IP address must be different between MG-350HD and wireless adapter, and also subnet mask is to be same.

Ex) MG-350HD: IP Address(192.168.10.2) Subnet(255.255.255.0) ==> Wireless adapter: IP Address(192.168.10.3) Subnet mask (255.255.255.0)



<MG-350HD IP manual setting>


Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 192 . 168 . 10 . 3
Subnet mask: 255 . 255 . 255 . 0
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Advanced...
OK
Cancel

<Wireless Adapter IP manual setting

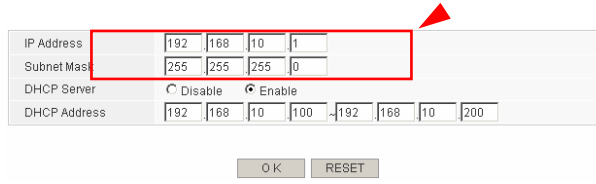
⑥ [WIRELESS] icon is activated. Run the icon, and the PC list on the network is displayed. Access to the preferable PC you want.

√ Note: When wireless icon is not activated or not connected to wireless station.

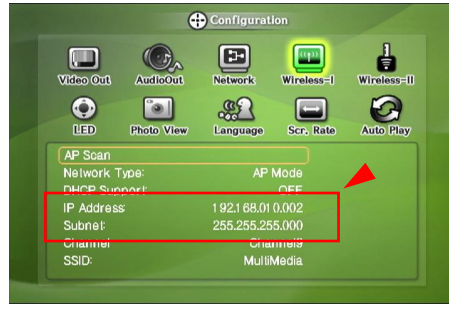
1. [Waiting or Rebooting] It might take some time to assign IP address from AP in case of AP Mode. So, wait for a while. Otherwise, reboot AP and MG-350HD together.

2. [Manual Setting of IP address and Subnet mask] In case of AP Mode, disable DHCP support and do manual setting of IP Address and subnet mask. At the time, each IP address is to be different and subnet mask is to be same.

Ex) AP: IP address(192.168.10.**1**) Subnet mask (255.255.255.0) ==> MG-350HD: IP address(192.168.10.2) Subnet mask(255.255.255.0)



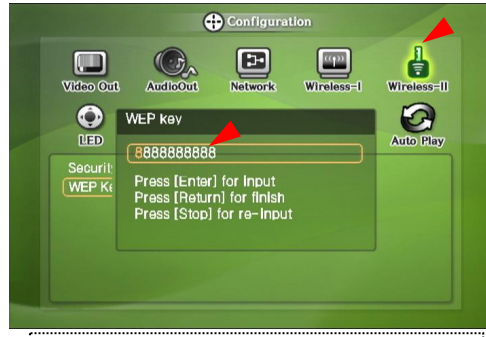
<Check IP address of AP



<Manual Setting of IP address and subnet mask MG-350HD>

√ Note: When connecting to AP with WEP wireless security

If wireless station like AP or Adapter has WEP wireless security, you have to enter WEP key same as AP or wireless adapter.



It is possible to enter WEP key at " Wireless-II" . Enable Security Mode and then enter WEP Key of AP or wireless adapter.

*How to enter=use direction key [UP] or [DOWN], or [Number]. After finishing that, finally press [SETUP] for saving configurations.

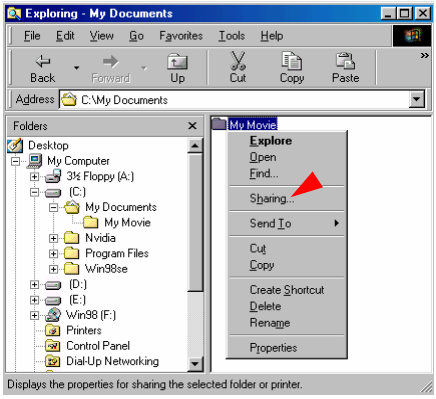
Shared File Playback (Stream)

3. Shared File Playback (Stream)

After connecting LAN cable, you have to set network configurations of both Computer and MG-350HD.
*It is possible to assign IP address and Subnet Mask of MG-350HD as dynamic or static.

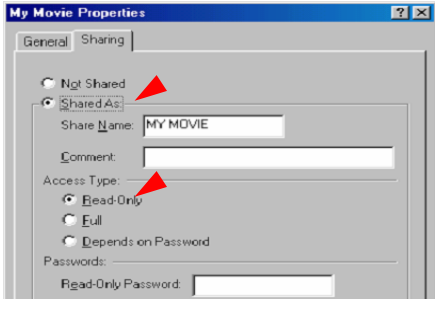
3.1 Windows 98SE, ME

1) Select a folder which you want to share. Right-click the folder and click 'sharing' in pop-up menu.



2) Check 'Shared as' and write 'Share Name'.
For example, "My Movie"

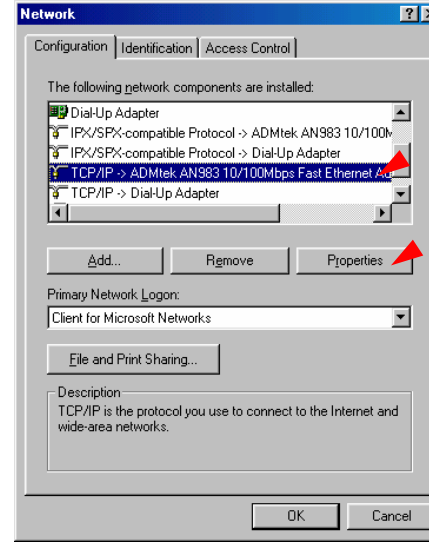
✓Make sure to write 'share name' **within 12 characters** in English.
✓Recommend to check 'Read Only' at 'Access Type'
✓Do not write anything at 'Passwords'



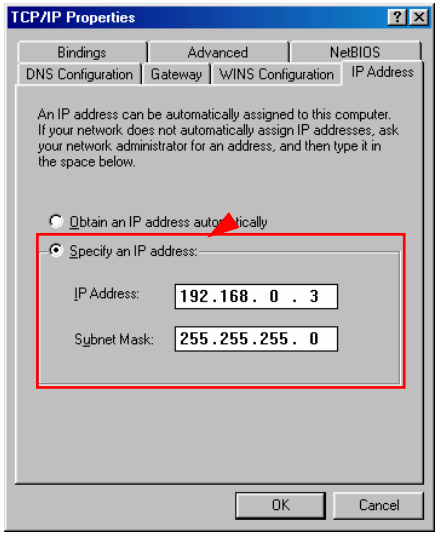
3) After that, the shared folder will be displayed as following picture.

4) Move to [Control panel > Network], and double click **'TCP/IP->LAN card'** that you want to use on your computer.

✓ In order to see LAN Card name, move to [Control Panel>System>Device Manager>Network adaptors].


Network
Configuration Identification Access Control
The following network components are installed:
Dial-Up Adapter
IPX/SPX-compatible Protocol -> ADMtek AN983 10/100M
IPX/SPX-compatible Protocol -> Dial-Up Adapter
TCP/IP -> ADMtek AN983 10/100Mbps Fast Ethernet Ad
TCP/IP -> Dial-Up Adapter
Add... Remove Properties
Primary Network Logon:
Client for Microsoft Networks
File and Print Sharing...
Description
TCP/IP is the protocol you use to connect to the Internet and wide-area networks.
OK Cancel

5) Check 'Specify an IP address', and write 'IP address' & 'Subnet mask' that you want to use.
For example, IP address: 192.168.1.3 / Subnet mask: 255.255.255.0



✓If you have already been **'obtained an IP address automatically'** from DHCP Server or IP Router on your local area network, you don't need to write specific IP address absolutely. Use 'Obtain an IP address automatically' or write IP address & Subnet mask that DHCP Server or IP Router provide.

6) Set the network configurations of MG-350HD.

✓You have to connect MG-350HD to TV set for this setup. See "6.1 Connect Video Cable".

Press [SETUP] of remote control for moving to setup screen. On that screen, select 'DHCP Support Off' and write IP address & Subnet mask.

For example,
IP Address: 192.168.1.2
Subnet mask: 255.255.255.0

After writing, press [SETUP] again for saving configurations.

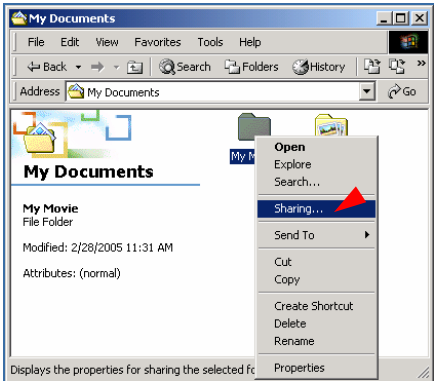
✓If you have already been provided dynamic IP address from DHCP Server or IP Router on your local area network, you don't need to write static IP address absolutely. Use 'DHCP on' or write IP address & Subnet mask that DHCP Server or IP Router provide.

✓Check 'IP address obtained automatically'
When you use 'DHCP On', you can see the IP address on information screen with pressing [INFO] button.

<MG-350HD's IP Address>

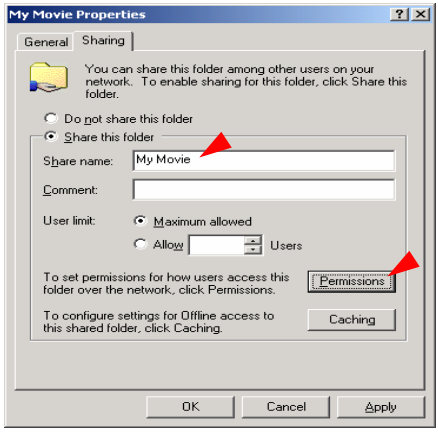
3.2 Windows 2000

1) Select a folder which you want to share. Right-click the folder and click 'Sharing' in pop menu.



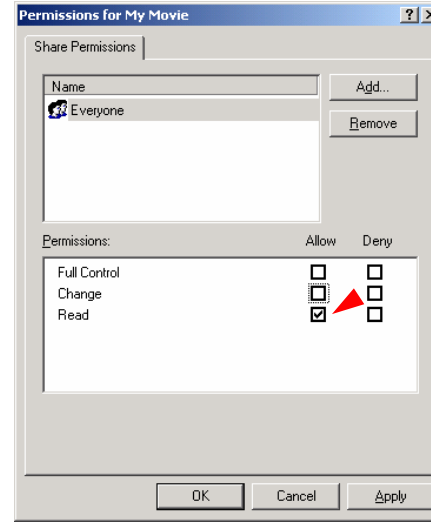
2) Check 'Share this folder' and write 'share name'.
For example, "My Movie"

✓Make sure to write 'share name' **within 12 characters** in English.

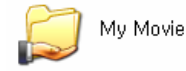

My Movie Properties
General Sharing
You can share this folder among other users on your network. To enable sharing for this folder, click Share this folder.
Do not share this folder
Share this folder
Share name: My Movie
Comment:
User limit: Maximum allowed
Allow Users
To set permissions for how users access this folder over the network, click Permissions.
Permissions
To configure settings for Offline access to this shared folder, click Caching.
Caching
OK
Cancel
Apply

3) Click 'Permissions' and check whether "Everyone" account is or not. If not, add "Everyone" account.

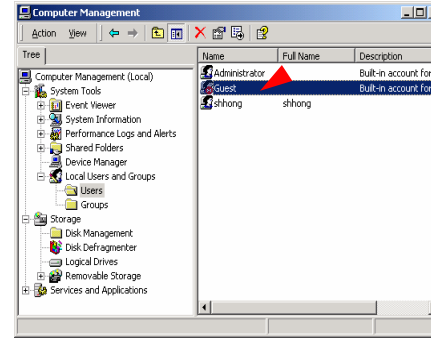
✓Recommend only to use 'Read>Allow' at Permissions.



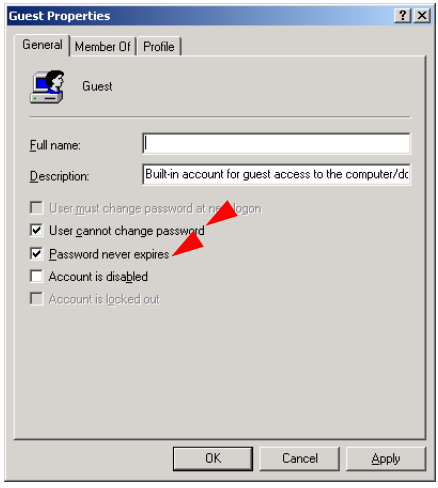
4) After that, the shared folder will be displayed as following picture.



5) Move to [Settings>Control Panel>Administrative Tools>Computer management>Local Users and Groups>Users], and double click **'Guest'**.

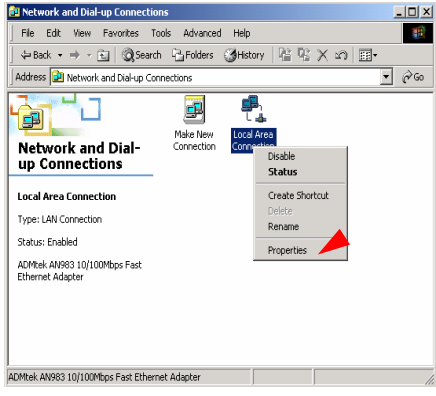


6) Check 'User cannot change password' and 'Password never expires'.

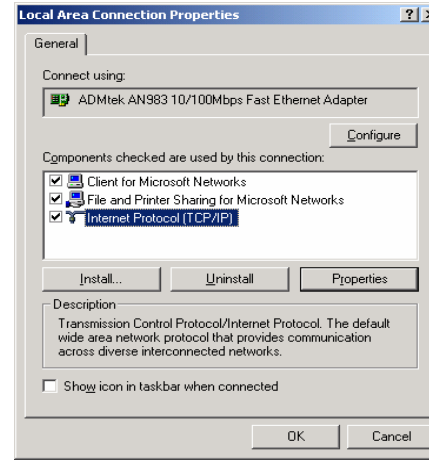


7) Move to [Control Panel>Network and Dial-up Connections], and select Properties of 'Local Area Connections' by right click of mouse.

✓If you see two or more 'Local area connections', select one that you will use for connecting to MG-350HD.



8) Double click 'Internet Protocol (TCP/IP)' that you want to use on your computer.

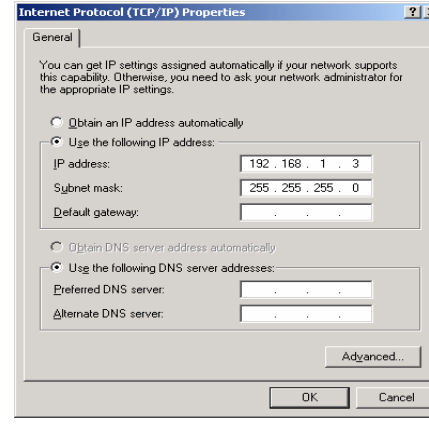


9) Check 'Use the following IP address', and write 'IP address' & 'Subnet mask' that you want to use.

For example,

IP address: 192.168.1.3

Subnet mask: 255.255.255.0


Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 192 . 168 . 1 . 3
Subnet mask: 255 . 255 . 255 . 0
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Advanced...
OK
Cancel

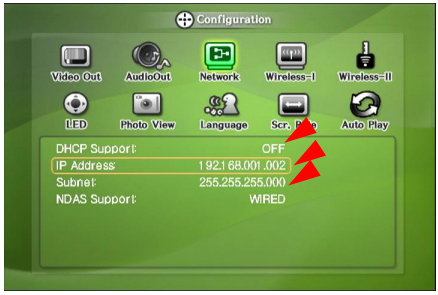
✓If you have already been **'obtained an IP address automatically'** from DHCP Server or IP Router on your local area network, you don't need to write specific IP address absolutely. Use 'Obtain an IP address automatically' or write IP address & Subnet mask that DHCP Server or IP Router provide.

6) Set the network configurations of MG-350HD.

> ✓You have to connect MG-350HD to TV set for this setup. See "6.1 Connect Video Cable".

Press [SETUP] of remote control for moving to setup screen. On that screen, select 'DHCP Support Off' and write IP address & Subnet mask.

For example,
IP Address: 192.168.1.2
Subnet mask: 255.255.255.0



After writing, press [SETUP] again for saving configurations.

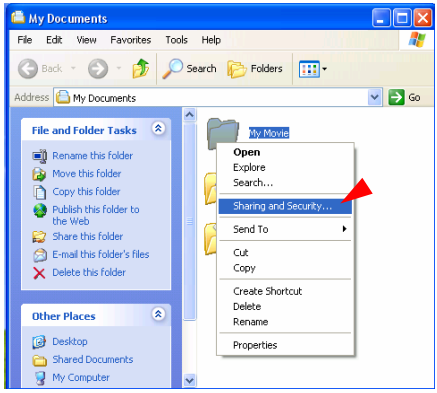
> ✓If you have already been provided dynamic IP address from DHCP Server or IP Router on your local area network, you don't need to write static IP address absolutely. Use 'DHCP on' or write IP address & Subnet mask that DHCP Server or IP Router provide.
>
> ✓Check 'IP address obtained automatically'
> When you use 'DHCP On', you can see the IP address on information screen with pressing [INFO] button.

Product Version : MG350_1.0.0
Wired MAC : 00:02:AB:C2:C1:E6
Wired IP : 192.168.001.002
Wireless MAC : 83:90:F4:64:2F:91
Wireless IP : 000.000.000.000
Wireless Reciept Streng 0%
Play : Play All File

<MG-350HD's IP Address>

3.3 Windows XP

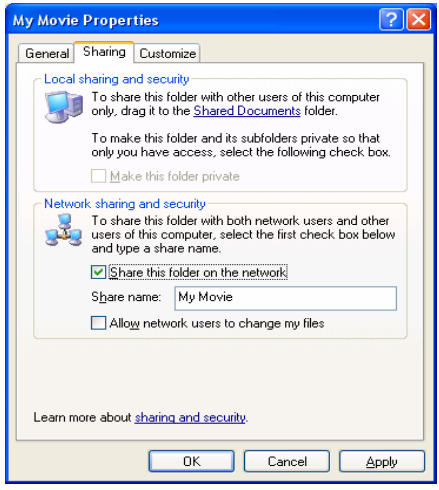
1) Select a folder which you want to share. Right-click the folder and click 'Sharing and Security' in pop menu.



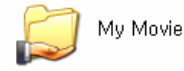
2) Check 'Share this folder on the network' and write 'Share name'.

For example, "My Movie"

✓Make sure to write 'share name' **within 12 characters** in English.


My Movie Properties
General
Sharing
Customize
Local sharing and security
To share this folder with other users of this computer only, drag it to the Shared Documents folder.
To make this folder and its subfolders private so that only you have access, select the following check box.
Make this folder private
Network sharing and security
To share this folder with both network users and other users of this computer, select the first check box below and type a share name.
Share this folder on the network
Share name: My Movie
Allow network users to change my files
Learn more about sharing and security.
OK
Cancel
Apply

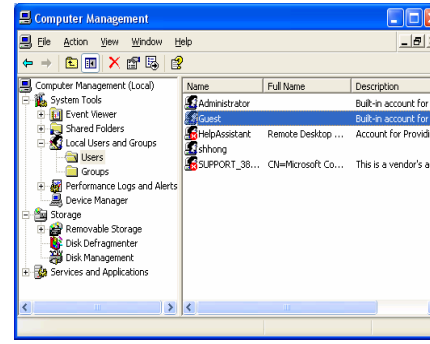
3) After that, the shared folder will be displayed as following picture.



4) Move to [Settings>Control Panel>Administrative Tools>Computer management>Local Users and Groups>Users], and double click **'Guest'**.

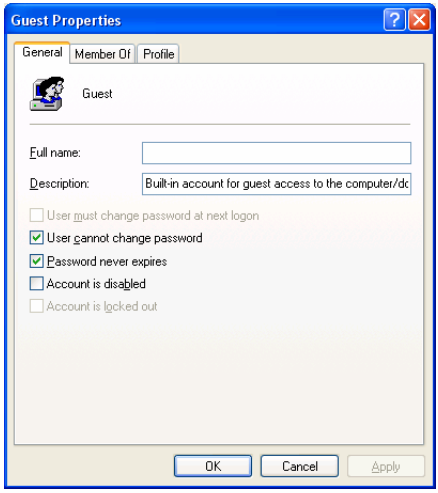
✓This is for Windows XP Professional. Windows XP Home users can't see this figure. Go to next number 6).

✓If you can't find 'Administrative Tools' at Control Panel, click "Switch to classic view" in left-up corner on screen.



5) Check 'User cannot change password' and 'Password never expires'.

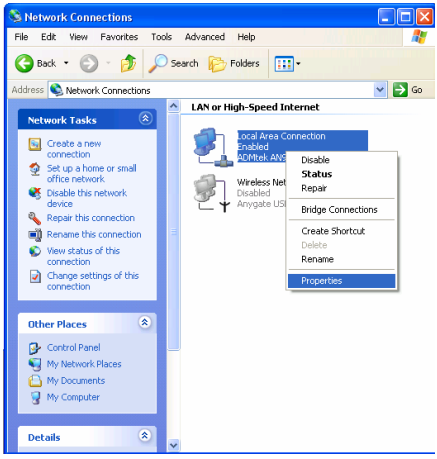
>> See next page



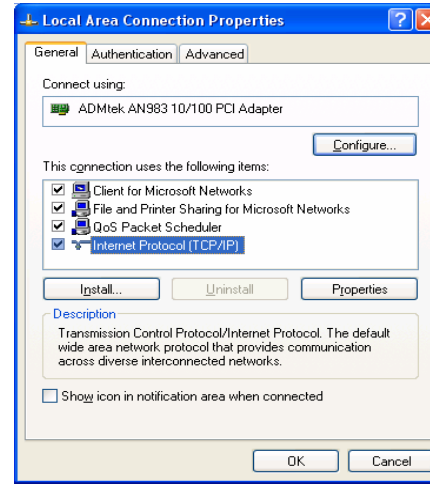
6) Move to [Control Panel>Network connections], and select 'Local area connections' properties by right click of mouse.

✓If you can't find 'Administrative Tools' at Control Panel, click "Switch to classic view" in left-up corner on screen.

✓If you see two or more 'Local area connections', select one that you will use for connecting to MG-350HD.



7) Double click 'Internet Protocol(TCP/IP)' that you want to use on your computer.

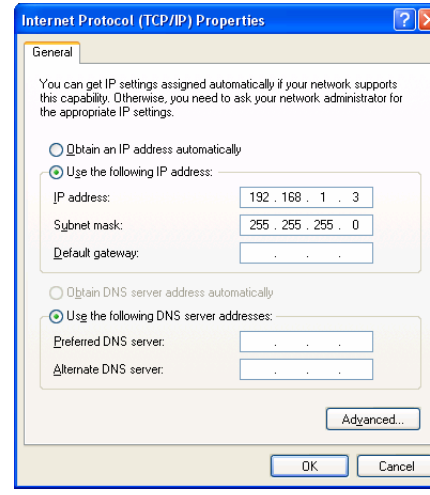


8) Check 'Use the following IP address', and write 'IP address' & 'Subnet mask' that you want to use.

For example,

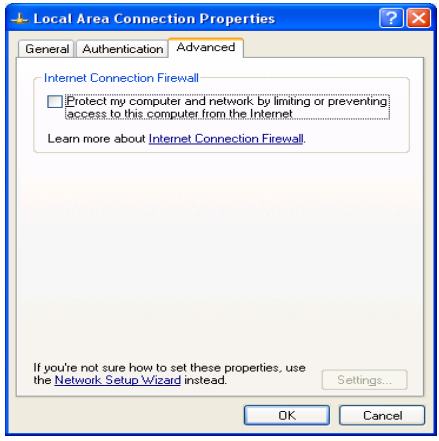
IP address: 192.168.1.3

Subnet mask: 255.255.255.0


Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address:
192 . 168 . 1 . 3
Subnet mask:
255 . 255 . 255 . 0
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Advanced...
OK
Cancel

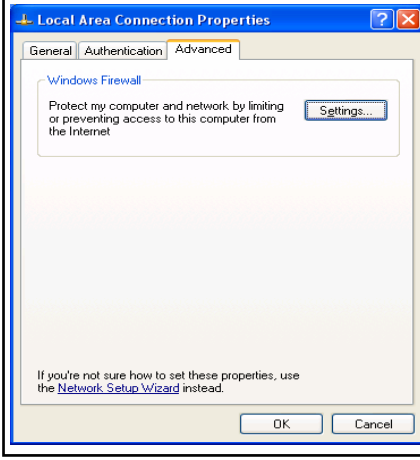
✓If you have already been provided dynamic IP address from DHCP Server or IP Router on your local area network, you don't need to write static IP address absolutely. Use 'Obtain an IP address automatically on' or write IP address & Subnet mask that DHCP Server or IP Router provide.

9) At above number 7) figure, click 'Advanced' Tab. Disable 'Internet Connection Firewall'.

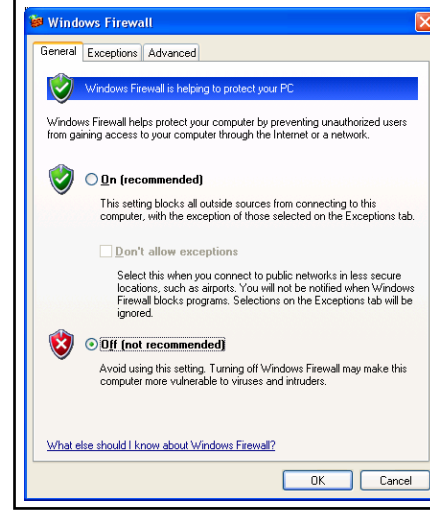

Local Area Connection Properties
General
Authentication
Advanced
Internet Connection Firewall
Protect my computer and network by limiting or preventing access to this computer from the Internet
Learn more about Internet Connection Firewall.
If you're not sure how to set these properties, use the Network Setup Wizard instead.
Settings...
OK
Cancel

✓If you use service pack 2, refer to the following figures.

Click 'Settings' at 'Windows Firewall'


Local Area Connection Properties
General
Authentication
Advanced
Windows Firewall
Protect my computer and network by limiting or preventing access to this computer from the Internet
Settings...
If you're not sure how to set these properties, use the Network Setup Wizard instead.
OK
Cancel

Check 'Off' and click 'OK'


Windows Firewall
General
Exceptions
Advanced
Windows Firewall is helping to protect your PC
Windows Firewall helps protect your computer by preventing unauthorized users from gaining access to your computer through the Internet or a network.
On (recommended)
This setting blocks all outside sources from connecting to this computer, with the exception of those selected on the Exceptions tab.
Don't allow exceptions
Select this when you connect to public networks in less secure locations, such as airports. You will not be notified when Windows Firewall blocks programs. Selections on the Exceptions tab will be ignored.
Off (not recommended)
Avoid using this setting. Turning off Windows Firewall may make this computer more vulnerable to viruses and intruders.
What else should I know about Windows Firewall?
OK
Cancel

6) Set the network configurations of MG-350HD.

✓You have to connect MG-350HD to TV set for this setup. See "6.1 Connect Video Cable".

Press [SETUP] of remote control for moving to setup screen. On that screen, select 'DHCP Support Off' and write IP address & Subnet mask.

For example,

IP Address: 192.168.1.2

Subnet mask: 255.255.255.0

After writing, press [SETUP] again for saving configurations.

✓If you have already been provided dynamic IP address from DHCP Server or IP Router on your local area network, you don't need to write static IP address absolutely. Use 'DHCP on' or write IP address & Subnet mask that DHCP Server or IP Router provide.

✓Check 'IP address obtained automatically'
When you use 'DHCP On', you can see the IP address on information screen with pressing [INFO] button.

<MG-350HD's IP Address>

Use as Network Storage (NDAS)

4. Use as Network Storage (NDAS)

√ Note

-Recommend to use 100Mbps LAN Card on PC on using wired LAN connection.

-Recommend to use IEEE 802.11g (54Mbps) wireless adapter or Access Point when using wireless LAN connection.

-NDAS function allows to transfer data to HDD in MG-350HD by wired or wireless LAN without setting data sharing works.

-Recommend Pentium III higher and 128MB RAM higher PC (System requirement)

-NDAS PC software works on Windows 2000/XP only. (Available OS)

-Please do not connect LAN Cable and USB Cable at the same time.

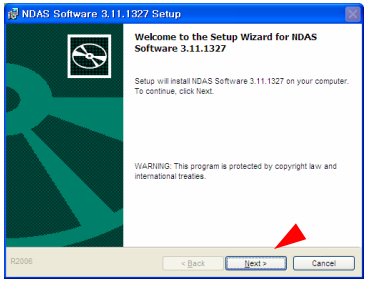
-If you do not want to use NDAS function, set NDAS option disable.

-Network environment and PC specification can affect NDAS function.

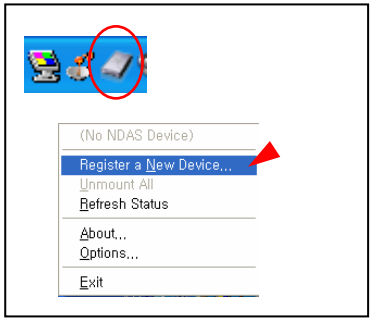
-Please open 'My Computer' and check if Hard Disk in MG-350HD is conceived as Hard Disk Drive of local network. (HDD in MG-350HD looks like external Hard Disk Drive. C:, D:, E: or F:) If you cannot see Hard Disk Drive, please turn off MG-350HD and turn on again. (Recognition can take some time.)

-To remove NDAS function safely, please double click the icon in right bottom tray. (Just like removing external Hard Disk Drive.)

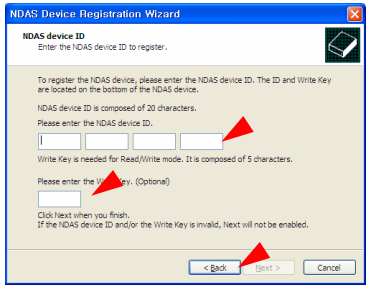
① Select "Network>NDAS Support" in setup screen.
Choose one between "WIRED" and "WIRELESS". It is not possible to use both "WIRED" and "WIRELESS" at the same time.
*In case of using "WIRELESS", use Device ID of wireless LAN MAC address when connecting to MG-350HD. (In case of using "WIRED", use Device ID of wired LAN MAC address)


NDAS Software 3.11.1327 Setup
Welcome to the Setup Wizard for NDAS Software 3.11.1327
Setup will install NDAS Software 3.11.1327 on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

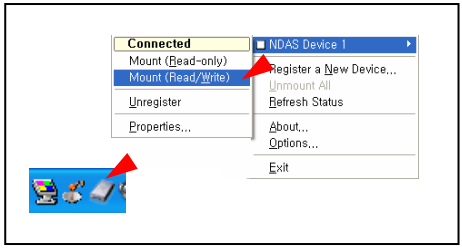
② Install NDAS PC software on your PC. The software is located at "MediaGate MG-350HD> English > NDAS software" on setup CD.



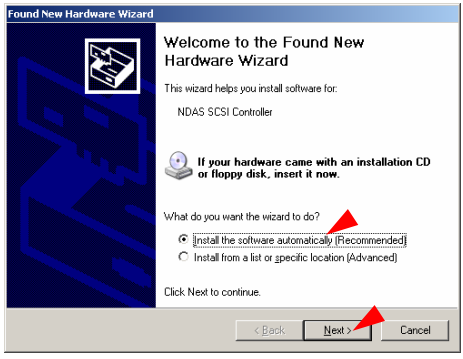
③ NDAS icon is created at right-down corner on desktop windows. Right click the icon and select Register New Device"


NDAS Device Registration Wizard
NDAS device ID
Enter the NDAS device ID to register.
To register the NDAS device, please enter the NDAS device ID. The ID and Write Key are located on the bottom of the NDAS device.
NDAS device ID is composed of 20 characters.
Please enter the NDAS device ID.
Write Key is needed for Read/Write mode. It is composed of 5 characters.
Click Next when you finish.
If the NDAS device ID and/or the Write Key is invalid, Next will not be enabled.
< Back
Next >
Cancel

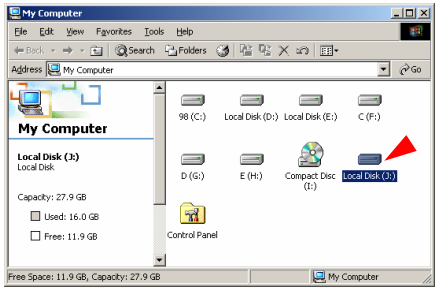
④ Write NDAS Device ID and Write Key. They are located on the bottom of MG-350HD. Write your preferable name at NDAS Device Name. Finish device registration procedure with clicking [Register].



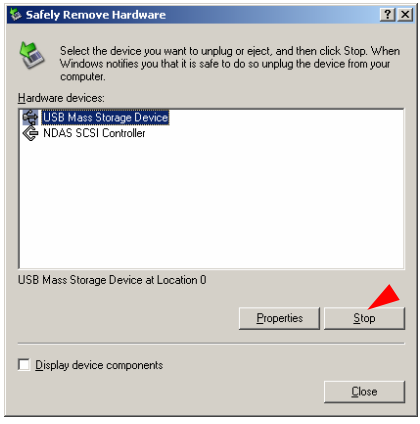
⑤ Select Mount(Read/Write) and access to NDAS Device, i.e, MG-350HD.


Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
NDAS SCSI Controller
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically [Recommended]
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

⑥ Select "Install the software automatically" and click [Next] button.



⑦ Please check 'My Computer' if Hard Disk in MG-350HD is conceived as Hard Disk Drive of local network. (HDD in MG-350HD looks like external Hard Disk Drive. C:, D:, E: or F:)If you cannot see Hard Disk Drive, please turn off MG-350HD and turn on again. (Recognition can take some time.)


Safely Remove Hardware
Select the device you want to unplug or eject, and then click Stop. When Windows notifies you that it is safe to do so unplug the device from your computer.
Hardware devices:
USB Mass Storage Device
NDAS SCSI Controller
USB Mass Storage Device at Location 0
Properties
Stop
Display device components
Close

⑧ To remove NDAS function safely, please double click the icon in right bottom tray. (just like removing external Hard Disk Drive.)

Use USB Host

5. Use USB Host

√ Note: How to eject the tray of external USB ODD (Optical Disk Drive)

Stop playback and press number [3] button in order to eject the tray of external USB ODD. In addition, original DVD title with CSS Lock should not be played when connecting with USB host, but it is possible to play other format like XviD.

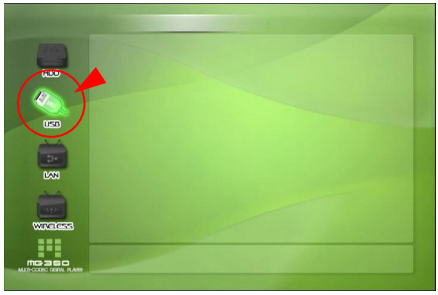
√ Note

It shall not be compatible with any external USB device. There are so many external USB devices, and specific products should not be compatible. We does not guarantee all kind of external USB devices.

Connect your external USB device to USB host port of MG-350HD.

USB icon shall be activated on file selection screen.

Selecting USB icon, and the files in USB device shall be displayed.

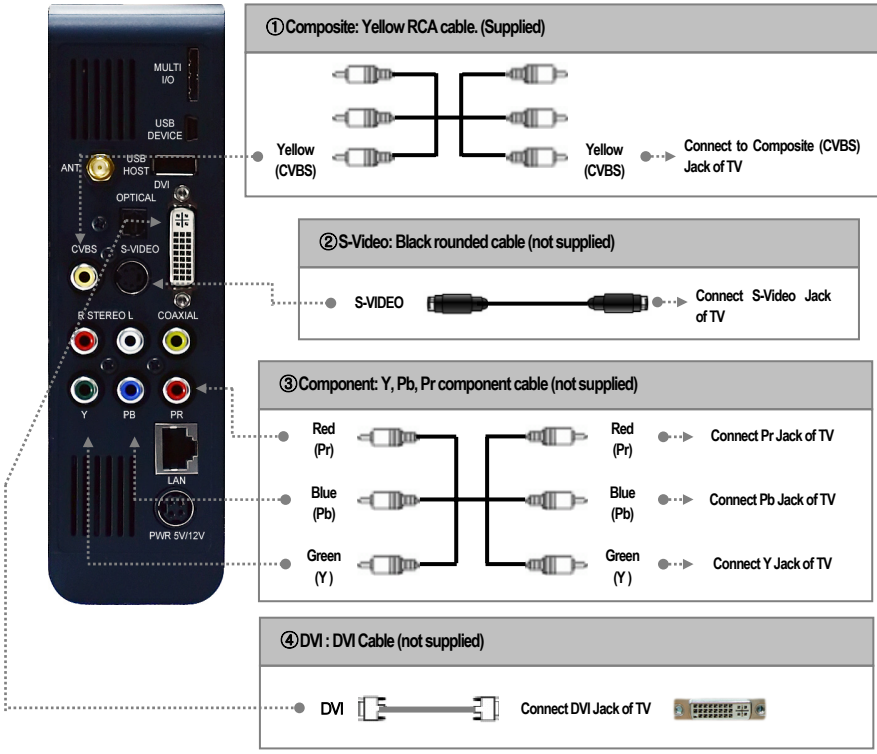


Connect to External AV Device

6. Connect to External AV Device

6.1 Connect Video Cable

MG-350HD supports 4 type of video output; “Composite, S-video, Component, DVI”. Use video connection that your TV supports. Normally, TV supports composite video connection, and this package supplies composite video cable.

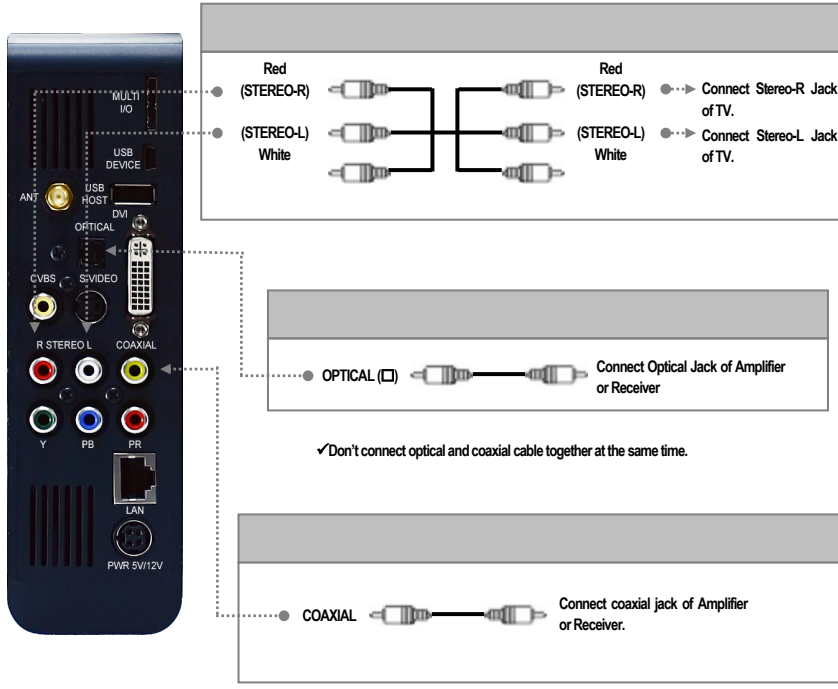


√When you can not see normal screen after connecting video cable, check followings,

1. “TV “– Switch to Video Input Mode: Turn on TV, and switch to video input mode same as video connection. See TV user manual.
2. “MG-350HD” – Switch to Video Output Mode: Press [TV OUT] button repeatedly. Whenever press [TV OUT], video output signal is changed.
3. After you see normal screen, you have to save video configurations of MG-350HD .See “7.1 Video Setup”.

6.2 Connect Audio Cable

MG-350HD supports 3 type of audio output; “Stereo, Coaxial, Optical”. Use audio connection that your TV or Audio set supports. Normally, TV supports stereo audio connection, and this package supplies stereo audio cable.



✓When you can not hear sound after connecting Optical or Coaxial Cable, you have to change audio setup of MG-350HD as Encoded Digital. See “7.2 Audio Setup”

Basic Setup

7. Basic Setup

7.1 Video Setup

This is guide for setting video output of MG-350HD. You have to setup MG-350HD's video output mode same as TV set's video input mode.

√When you can not see normal screen after connecting video cable, check followings,

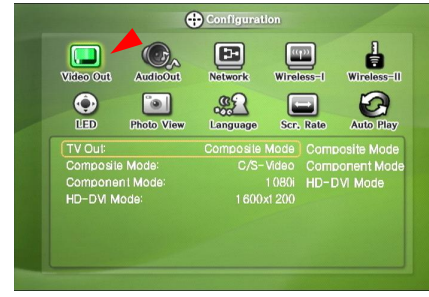
1. "TV "– Switch to Video Input Mode: Turn on TV, and switch to video input mode same as video connection. See TV user manual.
2. "MG-350HD" – Switch to Video Output Mode: Press [TV OUT] button repeatedly. Whenever press [TV OUT], video output signal is changed.
3. After you see normal screen, you have to save video configurations of MG-350HD .See "7.1 Video Setup".

TV Video Input Mode	MG-350HD Video Output Mode	Connection Jack of TV, MG-350HD	Video Cable Type
Normal Video	"TV Output" = Composite Mode "Composite Mode" = C/S-Video	CVBS or Composite Jack (Generally Yellow Jack)	Yellow RCA Cable (Supplied)
S-Video		S-Video Jack	S-Video Cable * Black rounded
Component 480i	"TV Output" = Composite Mode "Composite Mode" = C/YPbPr	Component 3 Jack * Y(Green), Pb(Blue), Pr(Red)	Component Cable * Y(Green), Pb(Blue), Pr(Red)
Component 480p 720p 1080i	"TV Output" = Component Mode "Component Mode" = Select one among 480p, 720p, and 1080i same as TV input mode		
DVI 480p 720p 1080i 1080p 640x480 800x600 1024x768 1280x1024 1600x1200	"TV Output" = HD-DVI Mode "HD-DVI Mode" = Select one among 480p, 720p, 1080i, 1080p, 640x480, 800x600, 1024x768, and 1280x1024, 1600x1200 same as TV input mode	DVI Jack	DVI Cable
D-Sub 480p 720p	"TV Output" = HD-DVI RGB Mode "HD-DVI RGB" = Select one among 480p, 720p, 1080i , and 1080p same as TV input mode	DVI jack of MG-350HD to D-Sub jack of TV(Monitor)	DVI to D-Sub gender

1080i 1080p			
✓NTSC, PAL : Standard of TV Output. Select a proper one for using in your country.			

< Setup Procedure >

① Turn on MG-350HD and press [SETUP] on Mode Selection screen.



② Move to 'Video Out' icon and press [OK]. Setup box will be displayed under icon menu.

③ Select a TV Out Mode and each detailed video output mode according to the selected TV Out, and then press [OK].

④ Finally, press [SETUP] again for saving configurations.

7.2 Audio Setup

This is guide for setting audio output of MG-350HD. You can use Stereo or Digital 5.1 ch.

✓Analogue/DCPM: Select when you connect the supplied audio cables (Red / White) to TV or Audio set directly.

✓Encoded Digital: Select when you want to listen through 5.1Ch / DTS Dolby by connecting receiver (or amplifier) with Optical or Coaxial cable.

< Setup Procedure >

① Turn on MG-350HD and press [SETUP] on Mode Selection screen.

② Move to 'Audio Out' icon and press [OK]. Setup box will be displayed under icon menu.

③ Select Audio Out Mode out of Stereo or Encoded Digital., and then press [OK].

④ Finally, press [SETUP] again for saving configurations.

7.3 Network Setup

It is possible to obtain IP address automatically from DHCP Server or IP Router, or set the specific IP address. Check your network environments.

✓Note

DHCP On: You can use this option when it is possible to obtain IP address automatically from DHCP Server or IP Router.

DHCP Off: When it is not possible to obtain IP address automatically or you connect to your PC directly without DHCP Server or IP Router, you have to use this option. Just write IP address and Subnet mask.

< 'DHCP Support On' Setup Procedure >

① Turn on MG-350HD and press [SETUP] on Mode Selection screen.

② Move to 'Network' icon and press [OK]. Setup box will be displayed under icon menu.

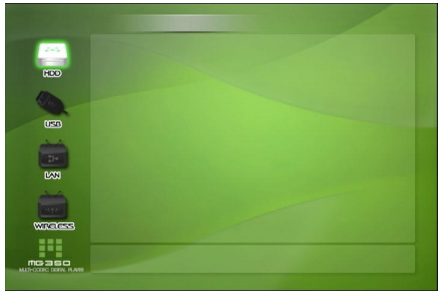
③ Select 'DHCP Support-ON' and press [OK].

④ Finally, press [SETUP] again for saving configurations.

√ **Check the obtained IP address**

Press [INFO] on Mode Selection screen, and It is possible to current obtained IP address from DHCP server.

< DHCP Support OFF Setup Procedure >

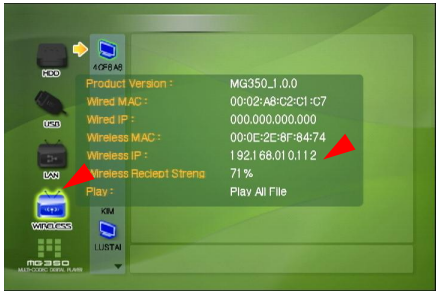


① Turn on MG-350HD and press [SETUP] on Mode Selection screen.

② Move to 'Network' icon and press [OK]. Setup box will be displayed under icon menu.

③ Select 'DHCP Support-OFF' and press [OK].

④ Move to 'IP Address', 'Subnet' and press [OK]. Input box will be displayed and enter number with [Direction] button or [Number] button. Finally, press [ENTER] for saving configurations.


Product Version : MG350_1.0.0
Wired MAC : 00:02:A8:C2:C1:C7
Wired IP : 000.000.000.000
Wireless MAC : 00:0E:2E:8F:84:74
Wireless IP : 192.168.010.112
Play : Play All File

√ **Check the obtained IP Address**

Press [INFO] on Mode Selection screen, and It is possible to current obtained IP address from DHCP server.

7.4 Wireless Setup

Refer to "2. Connect to PC via Network > 2.2 Wireless LAN Connection".

7.5 Wireless Security Setup

Refer to "2. Connect to PC via Network > 2.2 Wireless LAN Connection".

7.6 LED Setup

It is possible to turn on or off a backlight LED of arrow button on the front side. When the LED disturbs you in night, turn off the LED.

① Turn on MG-350HD and press [SETUP] on Mode Selection screen.

② Move to 'Network' icon and press [OK]. Setup box will be displayed under icon menu.

③ Select one out of 'ON' or 'OFF' and press {OK}.

④ Finally, press [SETUP] again for saving configurations.

7.7 Photo View Setup

When playing photo file, it is possible to enable or disable BGM and set the playback interval time of each photo files.

√ BGM, Music Slide Show

Make a 'music' folder (in a small letter not a capital letter at root directory) of built-in HDD and save MP3 files at the folder. If the HDD is divided into two or more partitions, make a 'music' folder at first partition.

When you play one or all photo files, you can listen mp3 and see photo slide show together.

However, if there is just networking computer (not built-in HDD), you cannot listen mp3. MG-350HD just detect mp3 files at built-in HDD's music folder. **At that time, before playing photo files, set the Photo mode with pressing [PHOTO] button.**

< Setup Procedure >

① Turn on MG-350HD and press [SETUP] on Mode Selection screen.

② Move to 'Network' icon and press [OK]. Setup box will be displayed under icon menu.

③ Select one out of 'ON' or 'OFF' and press {OK}.

④ Finally, press [SETUP] again for saving configurations.

*It is possible to set the slide show interval time.

7.8 Language Setup

It is possible to set the preferable language. This language setup option may not be supported. In addition, this language will be applied on OSD Language, not subtitle.

7.9 Screen Ratio Setup

This is guide for setting TV Type. You can use 4:3 Letter Box, 4:3 Pan Scan, and 16:9.

< Setup Procedure >

① Turn on MG-350HD and press [SETUP] on Mode Selection screen.

② Move to 'Scr. Rate' icon and press [OK]. Setup box will be displayed under icon menu.

③ Select one out of '4:3 Letter Box', '4:3 PanScan' or '16:9', and press {OK}.

④ Finally, press [SETUP] again for saving configurations.

7.10 Auto Play Setup

When this Auto Play function is On, MG-350HD play the file continuously form the time of being stopped.

< Setup Procedure >

① Turn on MG-350HD and press [SETUP] on Mode Selection screen.

② Move to 'Auto Play' icon and press [OK]. Setup box will be displayed under icon menu.

③ Select one out of 'ON' or 'OFF' and press {OK}.

④ Finally, press [SETUP] again for saving configurations.

How to Play(Remote Control)

8. How to Play(Remote Control)

8.1 Basic Screen Menu

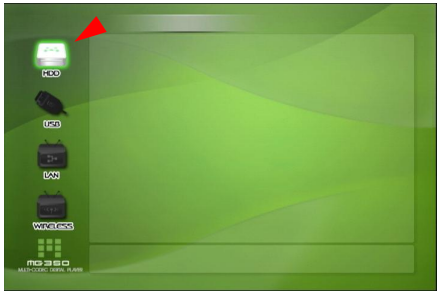
8.1.1 Mode Selection

After turning on MG-350HD, you can see mode selection screen. In this screen, you can select HDD(built-in), USB(external USB device), LAN(wired network), WIRELESS(wireless network)
You can select one out of them.

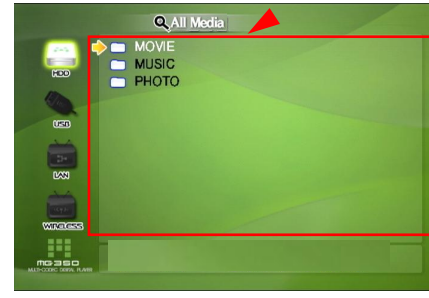
> √ **Note**
> HDD: Built-in HDD, USB: external USB device, LAN: wired network, WIRELESS: wireless network.
> Each Mode icon is activated when connecting to each external device.

8.1.1.1 Built-in HDD or external USB device

Following example is in case of built-in HDD. External USB device is same as built-in HDD.



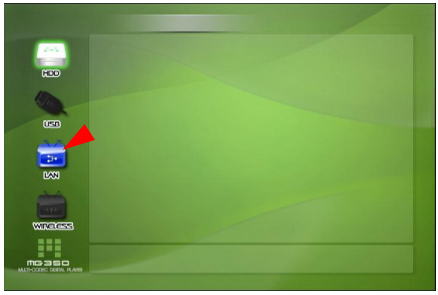
① [Mode Selection] Select 'HDD' icon and press [OK]. (In case of external USB device, select 'USB' icon)



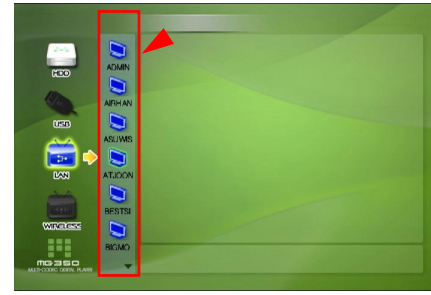
② Data of built-in HDD is displayed. In order to play, select a file and press [OK].

8.1.1.2 Wired & Wireless Network

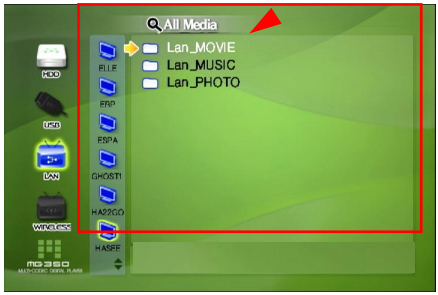
Following example is in case of wired network. Wireless network is same as wired network.



① [Mode Selection] Select 'LAN' icon and press [OK]. (In case of wireless network, select 'WIRELESS' icon,



② [PC List on Network] PCs list is displayed on the network. Press [OK] and access to the network PC.



③ Shard folder of PC is displayed. In order to play, select a file and press [OK].

√ **Refresh Network PC**

Press [STOP]. If so, network PC list is refreshed.

8.1.2 File Selection

Select a file and press [OK] in order to play.

Function and Button Descriptions

Remote Control	Function	Descriptions
MENU	Menu Icon	Menu Icon is displayed including 'Play one, Play all and Play-list'. Press again for returning file selection screen.
▲▼◀▶	Direction Key	Direction key
PREV I◀◀	Move by page	In case of two or more file list page, move to previous page.
NEXT ▶▶I	Move by page	In case of two or more file list page, move to next page.
SLOW (↖)	Up directory	Return to up directory.
DEVICE	Mode Selection	Return to HDD, USB, LAN, WIRELESS selection screen.
OK ▶I	Playback	Play a file.
SELECT (Number 1)	Register a file at Play-List	Use when registering a file at Play-List. After selecting a file, move to "[MENU]>Play-List"
SELECT ALL (Number2)	Register all files At Play-List	Use when registering all files at Play-List. After selecting files, move to "[MENU]>Play-List"
MOVIE	Movie Mode	Movie file is just displayed.
MUSIC	Music Mode	Music file is just displayed.
PHOTO	Photo Mode	Photo file is just displayed. *After pressing [PHOTO], you can use photo slide show.

ALL MEDIA	**All Media Mode**	All media files are displayed including movie, music and photo.
INFO	**-**	Current information of MG-350HD is displayed.
TV OUT	**Video Out Signal**	When pressing this button, video output signal is changed repeatedly. (If you can not see normal screen, press this button repeatedly until returning normal screen.
Brt.CONT	**Control luminosity, color depth, brightness**	When pressing this button, 3 modes switch. After selecting a mode, change settings with ▲▼ arrow buttons.
SETUP	**-**	Move to setup screen.

√ Play All File, Play One File

Press [MENU] and move to 'Play Mode' icon. Two Play modes are available, when pressing [OK], change the mode "Play one>Play all". After selecting one, press [MENU] again for saving configurations.

*Play One: Play the selected file and stop.

*Play All: Played the selected file and continue to play next all files at the directory including sub directory.

√ Refresh Network

Press [STOP], PCs list on the network or shared folder list are refreshed.

√ Jump to first or last page

There might to be two or more list pages in case of many files at directory. At the time, conveniently jump to first or last page.

*Jump to last page from first page: Move to [Up Directory] on the top of first page and press [▲] or [Previous].

*Jump to first page from last page: Move to the last file on last page and press [▼] or [Next]

√ See a long directory path

In case of Directory path information is longer than file information, press [Scr.SIZE].

8.2 Play Video Files

Select a file and press [OK].

When pressing [MENU] while playing a file, “Tool Box Menu” is displayed. Tool Box allows using detailed playback function.

Function and Button Descriptions

리모컨 버튼	기능	설명
MENU	Tool Box	Tool Box is displayed. For returning to playback, press again.
OK ▶II	Playback	Play file.
	Pause	When pressing while playing a file, pause the playback. For returning to playback, press again.
NEXT ▶▶I	Playback Next File	Play a next file after a current playback file. * Play mode must be in Play all in order to use this function.
PREV I◀◀	Playback Previous File	Play a previous file after a current playback file. * Play mode must be in Play all in order to use this function.
Direction ▶▶▶	Fast Forward	Whenever pressing this button, play speed is changed with 2x, 4x 8x, 16x, 32x in forward.
Direction ◀◀◀	Rewind	Whenever pressing this button, play speed is changed with 8x, 16x, 32x in

		backward.
SLOW	**Playback Slow**	Play slowly 1/2x, 1/4x, and 1/8x whenever pressing this button.
SEARCH	**Jump to Preferable Playback Time**	Move to a selected time of a file. Enter your preferable playback time with [Number] and press [OK]., or use time searching bar)
VOLUME + **Direction ▲**	**Volume Up**	Volume up.
VOLUME - **Direction ▼**	**Volume Down**	Volume down.
MUTE	**Sound Off**	Mute the sound. In order to hear sound, press this button again.
SUBTITLE	**Subtitle Move & Size**	It is possible to change subtitle size and location. ◀▶ arrow button changes size and ▼▲ arrow button changes location. After doing, press [OK].
	Subtitle Sync.	It is possible to set the subtitle sync. with ◀▶(one second) ▼▲(60 second) when motion and subtitle sync is not matched.
	Subtitle Select or Hide	The subtitle name same as video file is displayed on screen automatically. However, it is possible to open the other preferable subtitle files or hide.
	Subtitle Language Select	It is possible to switch each subtitle language when the subtitle is dual language format, for example, including a local language and English. * When selecting 'Discriminating subtitle language', first subtitle language will be displayed.
BOOKMARK	**Specific Playback Time Memory**	Save specific playback time when pressing this button. If you want to see book mark list, press [BOOKMARK] on file selection screen.
AUDIO	**Dual Audio**	It is possible to switch each audio language when the audio format is dual-audio, for example, including a local language and English.
INFO	**Show File Information**	Show the file information which is being played. In order to hide the information, press this button again.
Brt. CONT	**Control luminosity, color depth, brightness**	When pressing this button, 3 modes switch. After selecting a mode, change settings with ▲▼ arrow buttons.

8.3 Play DVD File

DVD manager function support to play DVD Ripping File same as original DVD.
Make a folder and then save all ripping files into the folder. After connecting TV (or Monitor), select VIDEO_TS.IFO file at the folder.
Make sure that all the ripping files including VIDEO_TS.IFO from one DVD title will be located at one folder.

> √ **Nolte**
> If you can not find VIDEO_TS.IFO file among all the ripping files from an original DVD title, DVD manager function will not work.

Move to the folder including DVD ripping files

Select 'video_ts.ifo' file and press [OK] button.

Function and Button Descriptions

Remote Control	Function	Descriptions
AUDIO	Dual Audio	It is possible to switch each audio language when the audio format is dual-audio, for example, including a local language and English.
SUBTITLE	Select Subtitle Type	Subtitle type will be changed whenever pressing this button.
Scr. SIZE	Screen Size	Screen size will be changed when press the button.
MENU	Go to Menu	Move to main menu while playing DVD.
SLOW	Playback Slow	Play slowly 1/2x, 1/4x, and 1/8x whenever pressing this button.

REPEAT	**Chapter, Title Repeat**	Set chapter, title repeat.
A-B REPEAT	**A-B repeat**	Set the A-B repeat.
TITLE	**Go to Title Menu**	Move to title menu while playing DVD.
ANGLE	**Angle**	Apply angle function.
INFO	**Show File Information**	Show the file information which is being played. In order to hide the information, press this button again.
SEARCH	**Jump to Preferable Playback Time**	Move to a selected time of a file. (It is not possible to use time searching bar.)
Brt. CONT	**Control luminosity, color depth, brightness**	When pressing this button, 3 modes switch. After selecting a mode, change settings with ▲▼ arrow buttons.
NEXT ▶▶I	**Playback Next Chapter**	Play a next chapter.
PREV I◀◀	**Playback Previous Chapter**	Play a previous chapter.
FF ▶▶▶	**Fast Forward**	Whenever pressing this button, play speed is changed with 8x, 16x, 32x, 48x in forward.
REW ◀◀◀	Rewind	Whenever pressing this button, play speed is changed with 8x, 16x, 32x, 48x in backward.
OK ▶II	**Playback**	Play 'Video_ts.ifo' file.
	Pause	Pause playback, if pressing this button when a file is being played. In order to play again, press this button again.
VOLUME +	**Volume Up**	Volume Up.
Direction ▲		
VOLUME -	**Volume Down**	Volume Down.
Direction ▼		
MUTE	**Sound Off**	Mute the sound. In order to hear sound, press this button again.

8.4 Play Audio File

Select a file and press [OK].

When pressing [MENU] while playing a file, "Tool Box Menu" is displayed. Tool Box allows using detailed playback function.

Function and Button Descriptions

Remote Control	Function	Descriptions
MENU	Tool Box	Tool Box is displayed. For returning to playback, press again.
OK ▶I	Playback	Play file.
	Pause	When pressing while playing a file, pause the playback. For returning to playback, press again.
NEXT ▶▶I	Playback Next File	Play a next file after a current playback file. * Play mode must be in Play all in order to use this function.
PREV I◀◀	Playback Previous File	Play a previous file after a current playback file. * Play mode must be in Play all in order to use this function.
FF ▶▶▶	Fast Forward	Whenever pressing this button, play speed is changed with 2x, 4x 8x, 16x, 32x in forward.
REW ◀◀◀	Rewind	Whenever pressing this button, play speed is changed with 8x, 16x, 32x in backward.
SEARCH	Jump to Preferable	Move to a selected time of a file.

	Playback Time	Enter your preferable playback time with [Number] and press [OK].
VOLUME + **Direction ▲**	**Volume Up**	Volume Up. *It is not possible to use this button when manual subtitle is displayed while playing audio file.
VOLUME - **Direction ▼**	**Volume Down**	Volume Down. *It is not possible to use this button when manual subtitle is displayed while playing audio file.
MUTE	**Sound Off**	Mute the sound. In order to hear sound, press this button again.
INFO	**Show File Information**	Show the file information which is being played. In order to hide the information, press this button again.
Brt. CONT	**Control luminosity, color depth, brightness**	When pressing this button, 3 modes switch. After selecting a mode, change settings with ▲▼ arrow buttons.

8.5 Play Photo File

Select a file and press [OK].

When pressing [MENU] while playing a file, “Tool Box Menu” is displayed. Tool Box allows using detailed playback function.

Function and Button Descriptions

Remote Control	Function	Descriptions
MENU	Tool Box	Tool Box is displayed. For returning to playback, press again.
OK ▶I	Playback	Play file.
	Pause	When pressing while playing a file, pause the playback. For returning to playback, press again.
NEXT ▶▶I	Playback Next File	Play a next file after a current playback file. * Play mode must be in Play all in order to use this function.
PREV I◀◀	Playback Previous File	Play a previous file after a current playback file. * Play mode must be in Play all in order to use this function.
INFO	Show File Information	Show the file information which is being played. In order to hide the information, press this button again.
Brt. CONT	Control luminosity, color depth, brightness	When pressing this button, 3 modes switch. After selecting a mode, change settings with ▲▼ arrow buttons.

√ Photo Slide Show

When play mode is set on 'Play all(Default value)', all photo files will be played continuously. So, It is possible to use as photo slide show.

√ Music Slide Show

Make a 'music' folder (in a small letter not a capital letter at root directory) of built-in HDD and save MP3 files at the folder. If the HDD is divided into two or more partitions, make a 'music' folder at first partition.

When you play one or all photo files, you can listen mp3 and see photo slide show together.

However, if there is just networking computer (not built-in HDD), you cannot listen mp3. MG-350HD just detect mp3 files at built-in HDD's music folder. **At that time, before playing photo files, set the Photo mode with pressing [PHOTO] button.**

√ Set the playback interval time

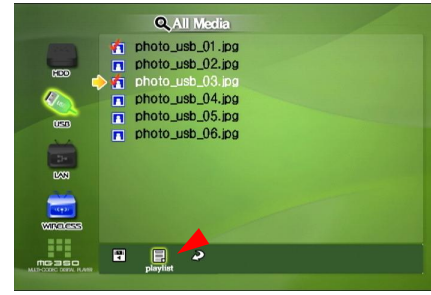
For more convenient photo slide show, it tis possible to set slide show's interval time on your preferable time gab. Press [SETUP] for setting.

8.6 Make a Play List

You can make your preferable play list for registering some files to play list.

> √ Note
>
> After rebooting MG-350HD, registered play list will be clear.

① Select your preferable file for registering with [SELECT] or [SELECT ALL].



② After finishing registration, press [MENU] and select “Play List”.

③ Play List screen is displayed.

-Play: Play the registered files.

-Cancel: Close the Play List screen.

-Move up, down: Change the file location..

-Shuffle: File location is mixed randomly.

-Delete: Delete the selected file..

-Delete all: Delete all the registered files.

Firmware Upgrade

9. Firmware Upgrade

Download a upgrade file from local distributor in your country or visit at www.airlinktek.com.
After connecting TV set, move to the upgrade file and press [OK]. Upgrade is progressed automatically.
After finishing upgrade, you can check firmware version on Setup screen. Press [SETUP] button.

* Current firmware version is displayed when pressing [INFO] button on file selecting screen.
* Firmware upgrade file is not concerned wherever the location is at external USB device, network connection PC. It is possible to upgrade if you can access the upgrade file.